



# 1993 Toxics Release Inventory

Public Data Release

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DTIC QUALITY INSPECTED 8

STATE FACT SHEETS



## 1993 TOXICS RELEASE INVENTORY

### Introduction

The fact sheets in this document summarize the basic 1993 Toxics Release Inventory (TRI) data for each state. This document is designed as a companion volume to EPA's *1993 Toxics Release Inventory Public Data Release* (EPA 745-R-95-010), a more detailed examination of TRI data for 1993 and previous years.

The TRI is a publicly-available database containing information about releases and off-site transfers of toxic chemicals from manufacturing facilities. The TRI was established by section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986. EPCRA was passed to promote planning for chemical emergencies and to provide information to the public about the presence and release of toxic and hazardous chemicals in their communities. Following passage of the Pollution Prevention Act of 1990, the TRI was expanded to include reporting of additional waste management and pollution prevention activities.

By July 1 each year, facilities must report their estimated releases and transfers of toxic chemicals for the preceding calendar year. Facilities provide this information to EPA and to the state in which they are located. For 1993, more than 23,000 facilities filed nearly 80,000 individual chemical reports to TRI. After completion of data entry and data quality assurance, EPA makes these data available to the public through an on-line database and through other means such as this report.

For further information about TRI and for assistance in obtaining TRI documents, contact the EPCRA Information Hotline at 1-800-535-0202. For assistance in obtaining access to the data,

contact the TRI User Support Service at 202-260-1531. For further information about individual state TRI programs, contact the state TRI coordinator listed at the bottom of the fact sheet for that state.

### Description of the Fact Sheets

Each 2-page state fact sheet provides the following:

1. A map of each state with a triangle marking the location of each facility reporting to the TRI in 1993.
2. **On-site Releases:** The amounts of toxic chemicals released to the air, water and land and injected into underground wells.
3. **On-site Waste Management:** The amounts of toxic chemicals recycled, burned for energy recovery, or treated at the facility.
4. **Off-site Transfers for Further Waste Management:** The amounts of chemicals sent off-site for waste management, including recycling, energy recovery, treatment, and disposal. Amounts treated at publicly-owned treatment works (POTWs) are presented separately from amounts treated at other locations. "Other Off-site Transfers" refers to amounts reported with no off-site management code or with an invalid code.



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5. The population of the state, the number of facilities reporting to TRI from that state, and the number of forms submitted by those facilities. The population statistics for the 50 states and for Puerto Rico are from 1993 U.S. Census updates. The population statistics for American Samoa and the Virgin Islands are from the 1990 U.S. Census, as these are the most recent data available.
6. The state's national rank for total releases (including underground injection of waste), air/water/land releases (excluding underground injection), receipt of transfers from facilities outside of the state, and transfers of waste to sites outside the state.
7. The five chemicals with the largest quantity of releases, including underground injection, and the five chemicals with the largest quantity of air/water/land releases, excluding underground injection.
8. The 10 facilities reporting the largest quantity of toxic chemical releases, including underground injection, and the 10 facilities reporting the largest quantity of toxic chemical releases to air/water/land, excluding underground injection.
9. Contact names, telephone numbers, and fax numbers for the state TRI coordinator and for the EPA TRI coordinator for the region in which the state is located.

Note that certain information in these fact sheets is provided on the basis of total releases, including underground injection, and on the basis of air/water/land releases, excluding underground injection. For states with little or no underground injection of waste, these alternative rankings will be similar or identical.

However, for the states with substantial amounts of underground

injection, EPA offers these alternative rankings because questions have been raised about whether underground injection of waste into Class I injection wells is properly viewed as a direct environmental release. Properly designed and constructed Class I injection wells have substantially lower exposure potential than direct forms of release. These alternative rankings may help the public focus on releases of greatest concern in their communities.

### **Status of State TRI Programs**

Each year, the National Conference of State Legislatures (NCSL) conducts an assessment of state TRI programs at the request of the Toxics Release Inventory Project of the Forum on State and Tribal Toxics Action (FOSTTA). This assessment gathers basic information about state TRI programs, including state data management and data use, outreach and services for the public and industry, and staffing and funding levels.

This year's assessment was conducted in November and December of 1994. All 50 states completed the assessment. Puerto Rico, American Samoa, the U.S. Virgin Islands, Guam and the District of Columbia did not respond to the assessment and therefore are not included in the matrix.

Some of the major findings of this state program assessment are summarized below. State responses to some of the questions are presented in a matrix following this section. For further information about this assessment, contact: George Hagevik, National Conference of State Legislatures, 1560 Broadway, Suite 700, Denver CO 80202 (phone: 303-830-2200).



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**Data Collection and Management:** Thirty-five states reported that they enter some or all of their TRI data into a state database, up from 32 states last year. Twelve of these 35 states enter the entire Form R into their database. Nineteen of the states make their computerized TRI data available within three months of the July 1 reporting deadline; most make it available within six months. Eleven states have additional or more stringent reporting criteria than the federal criteria under EPCRA section 313. For example, eight states require facilities to develop plans or set goals for toxics use reduction or pollution prevention. Four states require reporting from industries which are not subject to the federal TRI reporting requirements.

**Public Access to Data:** All states provide copies of the Form Rs to the public upon request. Twenty states produce a TRI summary report. Twenty-five states perform data runs or create TRI documents for the public in response to requests. Only three states currently provide the public on-line access to the state TRI database.

**State Use of TRI Data:** Eighteen states use TRI data in Geographic Information Systems (GIS) or other mapping activities. Ten states use TRI data in environmental justice projects. Thirty-five states use TRI data to identify facilities for pollution prevention activities. Ten states have integrated the TRI data with one or more other databases. Fifteen states use the TRI data for emergency prevention planning, and an equal number of states use the data in risk screening or risk analysis. While 21 states use the TRI data for targeting permit compliance inspections, only five states use the data in facility siting or permitting decisions, and six states use it for developing or revising permit limits.

**Outreach and Compliance:** Forty-two states conduct at least some outreach programs to explain TRI reporting requirements to industry. Thirty-two states distribute materials, while 30 states conduct training sessions and 29 states provide technical assistance to industry. Nine states provide assistance through telephone hotlines, and five states visit facilities to provide assistance. Sixteen states say that they have authority under state law to enforce the TRI reporting requirements of EPCRA section 313.

**Resources Devoted to TRI:** Fourteen states have the equivalent of one full-time employee devoted to the state TRI program, and eleven states have the equivalent of more than one full-time employee working on TRI. Eleven states report that they do not have any employees working on TRI. Twenty states reported total funding for their TRI program of \$1,000 to \$50,000; 11 states reported funding between \$50,000 and \$150,000; and two states reported funding of more than \$200,000. In contrast, 16 states reported that they have no budget at all for the TRI program; most of the states reporting no TRI budget also reported that they had no employees or only a fraction of an employee's time devoted to the program.

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## 1995 State TRI Program Assessment<sup>1</sup>

State	1. Information Provided to the Public	2. State TRI Report Available for Which Years	3. Data Used for What Purposes	4. State TRI Computer Database	5. Form R Fields in Database	6. How Soon Available After July 1 (in months)	7. Data Available on Computer for Which Years
AK	a, b, c		j	no			
AL	a, b, c, d		c, f	yes	a, b	3	87-93
AR	a, f	89-93	f	yes	a, b, c, d, e, f	2	91-93
AZ	a, b, c, d, e, f	91-93	a, b, c, d, f, j	yes		2	91-93
CA	a, e		a, b, c, e, i	yes	a, c, d, e, f	2	87-93
CO	a, b, d		b, c, d, e, f	no			
CT	a, b, d, f	91	a, b, c, e, f	yes		5 to 6	91-93
DE	a, b, d, e, f	90	a, c, d, e, f	yes	a, b, c, d, e, f	3	87-92
FL	a, b, c, e, f	92	a, c, f, h, i	yes	a, b, c, d, e, f	2 to 3	90-93
GA	a, b, e, f	87-92	a, b, c, d, e	yes		6	88-92
HI	a, b, c, d, e		e	no			
IA	a			no		10	
ID	a, b		c	no			
IL	a, b, e, f	87-92	c, d, e, i	yes		6	87-93
IN	a, b, c, f	91	c	no	a, b, c		
KS	a, b, f	90-92	a, c, d, f, g	yes	a, c, d, e	3	87-93
KY	a, b, e	90-92	a, c, e, f, j	yes		6	88-92
LA	a, b, c, d, e, f	87-92	a, b, c	yes		6	87-93
MA	a, d, e, g		a, c, f	yes	a, b, c, d, e, f	5	90-93
MD	a, b, e		c	yes	a, b, c, d, e, f	3	87-93
ME	a, b, c, d		c, f	yes	a, c, d	3	93
MI	a, b, c, e, f	87-92	c, f, g, h	yes	a, c, d, e	4	90-93
MN	a, b, e, f	88-93	c, f	yes	a, b, c, d, e, f	3	88-93
MO	a			no			
MS	a, b, f	92	i	yes	a, b, c, d, e	2 to 3	92
MT	a, b		d	no			
NC	a, c			yes	a	3	
ND	a, b, c		d, e	no			
NE	a, b		a, c, e, i	no		12	87-92
NH	a, b, e		a, c, d, f, g	yes	a	1	87-93
NJ	a, b, c, e, f	87-92	a, c, f, h, i	no		10	87-92
NM	a, b, c		d, e	no			
NY	a, f, g	87-93	c, d, e, f, g	yes	a, b, c, d	2	88-93
NV	a, b, g		j	no			
OH	a, b, d, e, f	88-93	c, d, e, f, g, i	yes	a, b, c, d, e, f, g	5	87-93
OK	a, b, e, f, g	91, 92	c	yes		5	89-93
OR	a	89-93	c, f	yes			
PA	a, d, e		b, c, f, h	yes	a, b, c	1	87-93
RI	a		j	yes	a, b, c, d	6	93
SC	a, b, c, e		a, b	yes		7	90-92
SD	a, e		c, d, j	yes	a, b, c, d, e, g	2	91-93
TN	a			no			
TX	a, b, c, d, e, g	88, 89	a, b, c	yes	a, b	2	88-93
UT	a, b, e	87-91	a, f	yes	a, b, c, d, e	6	87-93
VA	a, b, e, f, g	88-93	c	yes	a, b, c, d, e, f, g	7	88-93
VT	a, b		c	no			
WA	a, b, c, e, f	90-92	a, b, c, i	yes		3	87-93
WI	a, b, d, e, f, g	91-93	a, c, e, f, g, h, i	yes		*	87-92
WV	a, b, c		c, d, e	yes		5	91-93
WY	a, b		c, d, i	yes	a, c, d	3	92, 93

<sup>1</sup>Full content of questions asked and their associated response codes follow matrix.

## 1995 State TRI Program Assessment

State	8. Public has Access to On-line TRI Database	9. Conducts Industry Outreach Activities	10. State has TRI Enforcement Authority	11. Additional State Reporting Requirements	12. Full-time TRI Staff	13. TRI Program Funding
AK		c	no	none	< 0.5	0
AL	no	a, b, c, d	no	none	2	1-50,000
AR	yes	a, d	no	none	none	0
AZ	no	a, b, c, d, e	no	b, d, g, h	1	1-50,000
CA	no		no	none	1	100K-150K
CO	no	c, d	no	none	none	0
CT	no	c, d, e	no	none	1	50K-100K
DE	no	a, c, d	yes	none	1	1-50,000
FL	no	a, c, d	no	none	1	1-50,000
GA	no	d	no	none	1	1-50,000
HI		a, d	yes	none	none	0
IA	no		yes	none	none	0
ID		c	no	none	none	0
IL	no	a, c, d	yes	none	2	100K-150K
IN	no	a, b, c, d, e	no	none	1	0
KS	yes	a, b, c, d	yes	g	4	100K-150K
KY	no		no	none	0.25	1-50,000
LA	no	a	no	none	2	50K-100K
MA	no	a, d	yes	a, b, f	6	>200K
MD	no	a, c, d	no	none	none	1-50,000
ME	no	a	yes	h	1	1-50,000
MI	no	c, d	no	none	1.5	50K-100K
MN	no	a, c, d	yes	b, h	1	1-50,000
MO	no		yes	none	none	0
MS	no	a, c	no	none	1	1-50,000
MT			no		none	0
NC	no	a, e	no	none	none	0
ND		a, c, d	yes	none	*	1-50,000
NE	no	a, c, d	no	none	0.1	1-50,000
NH	no	a, c	no	none	0.25	0
NJ	no	a, c, d	no	c, e, g, h	0.4	1-50,000
NM	no	a, d	yes	none	1	0
NY	no		no	none	1	50K-100K
NV	no	c	no	none	none	0
OH	yes	a, b, c, d	yes	none	4	>200K
OK	no	a, c, d	no	none	0.5	1-50,000
OR	no		no	h	0.1	0
PA	no	a, c, d, e	yes	none	5	50K-100K
RI	no		no	none		100K-150K
SC	no	c, d	no	none	0.75	1-50,000
SD	no	a, c, d, e	no	none	0.25	1-50,000
TN		a	yes	none	3	
TX	no	c, d	yes	h	2	100K-150K
UT	no	c	no	none	0.5	1-50,000
VA	no	a, c, d	no	none	1	1-50,000
VT		e	no	h	0.1	1-50,000
WA	no	c, d, e	no	h	1	1-50,000
WI	no	a, c, e	yes	b	1.5	100K-150K
WV	no	a, c, d	no	none	0.5	0
WY	no	a, c	no	none	none	0



## 1993 TOXICS RELEASE INVENTORY

### NCSL Assessment Questions and Response Codes

1. Which of the following does the state provide to the public?
  - a. copies of Form Rs
  - b. EPA TRI documents
  - c. copies of the EPA state diskette
  - d. TRI public reading room
  - e. data runs/analysis (state conducts analysis or creates TRI documents for requestors)
  - f. annual state TRI report
  - g. other state-produced TRI documents
2. If the state produces an annual TRI report, for which years has such a report been produced?
3. How has the state used TRI information?
  - a. GIS or other mapping activities
  - b. environmental equity/justice projects
  - c. identifying facilities for pollution prevention activities
  - d. emergency prevention planning
  - e. risk screening or risk analysis
  - f. inspection targeting for permit compliance
  - g. developing/revising permit limits
  - h. facility siting/permitting decisions
  - i. integrating the TRI with other databases
  - j. other
4. Are the state's Form R data entered into a state computer database?
5. Which Form R fields does the state enter into its database?
  - a. facility name and address
  - b. number of forms sent by facility
  - c. names of the chemicals
  - d. release quantities
  - e. transfer quantities
  - f. pollution prevention data
  - g. other
6. How many months after the July 1 reporting deadline is computerized state TRI information typically available?

7. For which years are the state's TRI data available on the state's computer?
8. Can the public gain on-line access to this state TRI computer database?
9. What outreach programs does the state conduct to explain EPCRA section 313/TRI reporting requirements to industry?
  - a. training sessions
  - b. site visits
  - c. distribute materials
  - d. technical assistance
  - e. hotline
10. Does the state have EPCRA section 313 enforcement authority under state law?
11. In addition to the federal EPCRA section 313/TRI reporting criteria, what other criteria does the state mandate?
  - a. additional chemicals
  - b. additional SIC codes
  - c. smaller or no chemical reporting threshold
  - d. lower or no minimum employee threshold
  - e. peak release information
  - f. throughput (mass balance information)
  - g. additional reporting elements
  - h. toxic use reduction/pollution prevention plans or goals
12. How many people are currently working in the state TRI program (expressed in Full-Time Equivalents)?
13. What is the approximate total funding amount for the state's EPCRA section 313/TRI program (including salaries, grants, contract moneys, etc.)?

#### Notes

- \* Indicates state provided information that could not be summarized in the matrix.  
A blank field indicates the question was not applicable or the state did not provide a response.



1993 TOXICS RELEASE INVENTORY

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## **1993 State Fact Sheets**

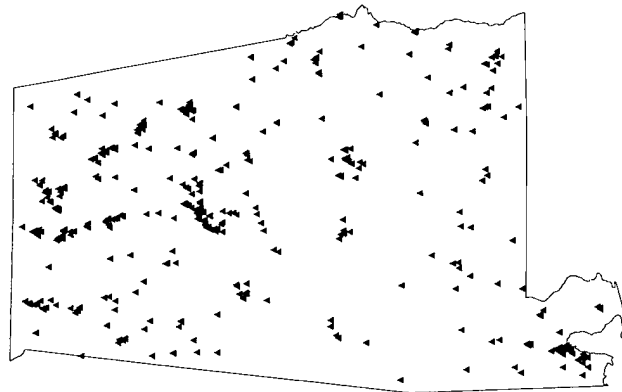




# 1993 TOXICS RELEASE INVENTORY

# ALABAMA

Population 4,187,000  
 Total Facilities 517  
 Total Forms 1,930  
 National Rank for Total Releases 6  
 National Rank for Air/Water/Land Releases 5  
 Transfers into State Rank 14  
 Pounds 50,008,838  
 Transfers Out of State Rank 14  
 Pounds 56,345,604



## Reported Releases and Waste Management Activities (pounds)

**On-site Releases**  
 Air Emissions 105,538,411  
 Surface Water Discharges 95,160,628  
 Underground Injection 5,628,552  
 Releases to Land 145,613  
 4,603,618

**On-site Waste Management**  
 Recycling 1,036,683,449  
 Energy Recovery 309,718,033  
 Treatment 62,705,886  
 664,259,530

**Off-site Transfers for Further Waste Management**  
 Recycling 77,706,188  
 Energy Recovery 49,419,204  
 Treatment 11,889,056  
 Publicly Owned Treatment Works (POTWs) 7,797,927  
 Disposal 468,846  
 8,131,155  
 Other Off-site Transfers 0

## Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Carbon disulfide	43,086,036	14,045	0	0	43,100,081
Methanol	12,192,318	2,485,143	145,483	53,805	14,876,749
Hydrochloric acid	5,729,985	0	0	0	5,729,985
Ammonia	2,965,920	2,254,106	0	220,001	5,440,027
Xylene (mixed isomers)	4,606,204	716	3	44,669	4,651,592

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Carbon disulfide	43,086,036	14,045	0	43,100,081
Methanol	12,192,318	2,485,143	53,805	14,731,266
Hydrochloric acid	5,729,985	0	0	5,729,985
Ammonia	2,965,920	2,254,106	220,001	5,440,027
Xylene (mixed isomers)	4,606,204	716	44,669	4,651,589



# 1993 TOXICS RELEASE INVENTORY

# ALABAMA

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Courtaulds Fibers Inc.	Axis, Mobile	42,614,610	44,255	0	0	42,658,865
Scott Paper Co.	Mobile, Mobile	2,582,455	426,730	0	0	3,009,185
3M Co.	Guin, Marion	2,913,008	0	0	0	2,913,008
Champion International Corp.	Courtland, Lawrence	1,026,225	1,844,350	0	4,126	2,874,701
Monsanto Co.	Decatur, Morgan	1,282,498	1,304,299	0	15,519	2,602,316
Amoco Chemical Co.	Decatur, Morgan	2,358,464	171,200	0	0	2,529,664
Alabama River Pulp Co. Inc.	Claiborne, Monroe	2,375,000	52,400	0	6,205	2,433,605
Mead Coated Board Inc.	Cottonton, Russell	2,271,863	15,480	0	7,894	2,295,237
Gulf States Steel Inc.	Gadsden, Etowah	162,561	186,581	0	1,610,565	1,959,707
International Paper	Mobile, Mobile	1,666,405	155,000	0	4,105	1,825,510

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Courtaulds Fibers Inc.	Axis, Mobile	42,614,610	44,255	0	42,658,865
Scott Paper Co.	Mobile, Mobile	2,582,455	426,730	0	3,009,185
3M Co.	Guin, Marion	2,913,008	0	0	2,913,008
Champion International Corp.	Courtland, Lawrence	1,026,225	1,844,350	4,126	2,874,701
Monsanto Co.	Decatur, Morgan	1,282,498	1,304,299	15,519	2,602,316
Amoco Chemical Co.	Decatur, Morgan	2,358,464	171,200	0	2,529,664
Alabama River Pulp Co. Inc.	Claiborne, Monroe	2,375,000	52,400	6,205	2,433,605
Mead Coated Board Inc.	Cottonton, Russell	2,271,863	15,480	7,894	2,295,237
Gulf States Steel Inc.	Gadsden, Etowah	162,561	186,581	1,610,565	1,959,707
International Paper	Mobile, Mobile	1,666,405	155,000	4,105	1,825,510

## For More Information. . .

**State Contact:** Ed Poolos  
(205) 260-2717  
Fax (205) 272-8131

**EPA Regional Contact:** Pat Steed  
(404) 347-1033 Ext. 36  
Fax (404) 347-1681

**To obtain TRI data use assistance, call TRI User Support Service (TRI-US):**  
(202) 260-1531  
Fax (202) 260-4659



# 1993 TOXICS RELEASE INVENTORY

# ALASKA

Population 599,000  
Total Facilities 8  
Total Forms 50  
National Rank for Total Releases 42  
National Rank for Air/Water/Land Releases 41  
Transfers into State Rank 45  
Pounds 221,313  
Transfers Out of State Rank 49  
Pounds 452,427



## Reported Releases and Waste Management Activities (pounds)

**On-site Releases**  
Air Emissions 8,286,614  
Surface Water Discharges 6,228,306  
Underground Injection 2,056,183  
Releases to Land 192  
1,933  
**On-site Waste Management**  
Recycling 3,719,113  
Energy Recovery 7,846  
Treatment 1,322,000  
2,389,267  
**Off-site Transfers for Further Waste Management**  
Recycling 452,447  
Energy Recovery 450,043  
Treatment 0  
2,364  
Publicly Owned Treatment Works (POTWs) 20  
Disposal 20  
Other Off-site Transfers 0

## Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	4,664,020	513,373	150	150	5,177,693
Methanol	696,461	763,670	42	0	1,460,173
Hydrochloric acid	30,000	640,000	0	0	670,000
Chloroform	380,697	59,869	0	0	440,566
Sulfuric acid	217,910	36,760	0	8	254,678

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	4,664,020	513,373	150	5,177,543
Methanol	696,461	763,670	0	1,460,131
Hydrochloric acid	30,000	640,000	0	670,000
Chloroform	380,697	59,869	0	440,566
Sulfuric acid	217,910	36,760	8	254,678



# 1993 TOXICS RELEASE INVENTORY

# ALASKA

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Unocal Petroleum Products	Kenai, Kenai Peninsula	4,781,036	302,675	192	157	5,084,060
Ketchikan Pulp Co.	Ketchikan, Ketchikan Gateway	329,541	1,569,572	0	0	1,899,113
Alaska Pulp Corp.	Sitka, Sitka	962,255	175,250	0	0	1,137,505
Tesoro Alaska Petroleum Co.	Kenai, Kenai Peninsula	135,825	8,681	0	26	144,532
Mapco Alaska Petroleum Inc.	North Pole, North Star Borough	18,884	0	0	1,750	20,634
Petro Star Valdez Refinery	Valdez, Valdez-Cordova	500	0	0	0	500
Unisea Inc.	Dutch Harbor, Aleutians West	255	5	0	0	260
Petro Star Inc.	North Pole, Fairbanks North Star	10	0	0	0	10
...						...
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## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Unocal Petroleum Products	Kenai, Kenai Peninsula	4,781,036	302,675	157	5,083,868
Ketchikan Pulp Co.	Ketchikan, Ketchikan Gateway	329,541	1,569,572	0	1,899,113
Alaska Pulp Corp.	Sitka, Sitka	962,255	175,250	0	1,137,505
Tesoro Alaska Petroleum Co.	Kenai, Kenai Peninsula	135,825	8,681	26	144,532
Mapco Alaska Petroleum Inc.	North Pole, North Star Borough	18,884	0	1,750	20,634
Petro Star Valdez Refinery	Valdez, Valdez-Cordova	500	0	0	500
Unisea Inc.	Dutch Harbor, Aleutians West	255	5	0	260
Petro Star Inc.	North Pole, Fairbanks North Star	10	0	0	10
...					...
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**For More Information. . .**

**State Contact:** Camille Stephens  
(907) 465-5220  
Fax (907) 465-5244

**EPA Regional Contact:** Phil Wong  
(206) 553-4016  
Fax (206) 553-8338

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(202) 260-1531  
Fax (202) 260-4659



1993 TOXICS RELEASE INVENTORY

# AMERICAN SAMOA

Population 47,000

Total Facilities 3

Total Forms 6

National Rank for Total Releases 53

National Rank for Air/Water/Land Releases 53

Transfers into State

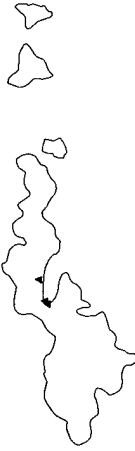
Rank 51

Pounds 0

Transfers Out of State

Rank 53

Pounds 7



## Reported Releases and Waste Management Activities (pounds)

### On-site Releases

Air Emissions 18,523

Surface Water Discharges 18,518

Underground Injection 5

Releases to Land 0

### On-site Waste Management

Recycling 0

Energy Recovery 0

Treatment 0

### Off-site Transfers for Further Waste Management

Recycling 7

Energy Recovery 0

Treatment 0

Publicly Owned Treatment Works (POTWs) 7

Disposal 0

Other Off-site Transfers 0

## Top Five Chemicals for Total Releases

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	18,500	0	0	0	18,500
Glycol ethers	6	0	0	0	6
Methyl isobutyl ketone	6	0	0	0	6
Xylene (mixed isomers)	6	0	0	0	6
Chlorine	0	5	0	0	5

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	18,500	0	0	18,500
Glycol ethers	6	0	0	6
Methyl isobutyl ketone	6	0	0	6
Xylene (mixed isomers)	6	0	0	6
Chlorine	0	5	0	5



1993 TOXICS RELEASE INVENTORY

# AMERICAN SAMOA

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
VCS Samoa Packing Co.	Pago Pago, Eastern	10,500	0	0	0	10,500
Starkist Samoa Inc.	Pago Pago, American Samoa	8,000	5	0	0	8,005
Starkist Samoa	Tafuna, Eastern	18	0	0	0	18
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## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
VCS Samoa Packing Co.	Pago Pago, Eastern	10,500	0	0	10,500
Starkist Samoa Inc.	Pago Pago, American Samoa	8,000	5	0	8,005
Starkist Samoa	Tafuna, Eastern	18	0	0	18
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## For More Information...

**State Contact:**  
International Number (684) 633-2304  
Pati Faiai

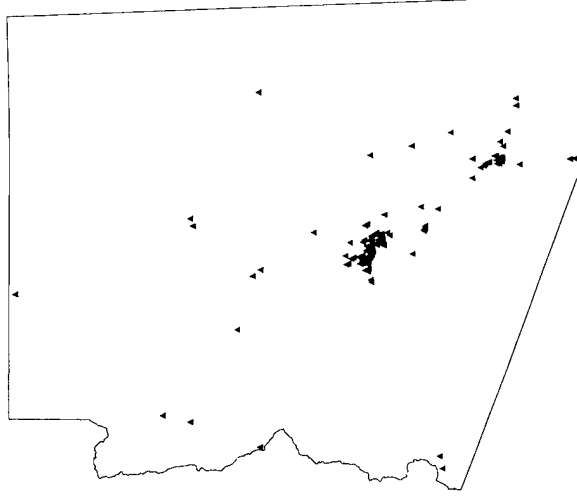
**EPA Regional Contact:**  
(415) 744-1116  
Pam Tsai  
Fax (415) 744-1073

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(202) 260-1531 Fax (202) 260-4659



## 1993 TOXICS RELEASE INVENTORY

# ARIZONA



Population	3,936,000
Total Facilities	180
Total Forms	508
National Rank for Total Releases	34
National Rank for Air/Water/Land Releases	33
Transfers into State	
Rank	34
Pounds	5,320,841
Transfers Out of State	
Rank	31
Pounds	19,152,635

### Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>	
Air Emissions	13,436,165
Surface Water Discharges	5,481,037
Underground Injection	57
Releases to Land	18
	7,955,053
<b>On-site Waste Management</b>	
Recycling	512,262,816
Energy Recovery	462,984,713
Treatment	302,302
	48,975,801
<b>Off-site Transfers for Further Waste Management</b>	
Recycling	50,976,946
Energy Recovery	47,132,038
Treatment	716,757
Publicly Owned Treatment Works (POTWs)	2,388,813
Disposal	533,642
Other Off-site Transfers	205,696
	0

### Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water		Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
		Discharges Pounds	Pounds			
Copper compounds	574,941	20	0	0	5,600,000	6,174,961
Acetone	930,471	10	0	0	43,130	973,611
Methanol	155,056	0	0	0	654,608	809,664
1,1,1-Trichloroethane	769,814	0	0	0	0	769,814
Lead compounds	35,431	0	0	0	488,000	523,431

### Top Five Chemicals for Air/Water/Land Releases

Chemical	Surface			Releases to Land Pounds	Total Releases Pounds
	Air Emissions Pounds	Water Discharges Pounds			
Copper compounds	574,941	20	5,600,000		6,174,961
Acetone	930,471	10	43,130		973,611
Methanol	155,056	0	654,608		809,664
1,1,1-Trichloroethane	769,814	0	0		769,814
Lead compounds	35,431	0	488,000		523,431



# 1993 TOXICS RELEASE INVENTORY

# ARIZONA

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Cyprus Miami Mining Corp.	Claypool, Gila	135,500	5	0	6,088,000	6,223,505
Magma Copper Co.	San Manuel, Pinal	214,282	0	0	1,055,200	1,269,482
Stone Southwest Corp.	Snowflake, Navajo	350,816	0	0	795,988	1,146,804
Asarco Inc.	Hayden, Gila	715,841	0	0	3,204	719,045
Hexcel Corp.	Casa Grande, Pinal	327,107	0	0	0	327,107
Griffin Corp.	Casa Grande, Pinal	304,557	0	0	0	304,557
Allied Signal	Phoenix, Maricopa	222,400	0	0	0	222,400
Motorola Inc.	Mesa, Maricopa	209,900	0	0	0	209,900
US Air Force	Tucson, Pima	189,850	0	0	0	189,850
Sea Ray Boats Inc.	Phoenix, Maricopa	185,005	0	0	0	185,005

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Cyprus Miami Mining Corp.	Claypool, Gila	135,500	5	6,088,000	6,223,505
Magma Copper Co.	San Manuel, Pinal	214,282	0	1,055,200	1,269,482
Stone Southwest Corp.	Snowflake, Navajo	350,816	0	795,988	1,146,804
Asarco Inc.	Hayden, Gila	715,841	0	3,204	719,045
Hexcel Corp.	Casa Grande, Pinal	327,107	0	0	327,107
Griffin Corp.	Casa Grande, Pinal	304,557	0	0	304,557
Allied Signal	Phoenix, Maricopa	222,400	0	0	222,400
Motorola Inc.	Mesa, Maricopa	209,900	0	0	209,900
US Air Force	Tucson, Pima	189,850	0	0	189,850
Sea Ray Boats Inc.	Phoenix, Maricopa	185,005	0	0	185,005

## For More Information. . .

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**Pam Tsai**  
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call TRI User Support Service (TRI-US):**

(202) 260-1531 Fax (202) 260-4659



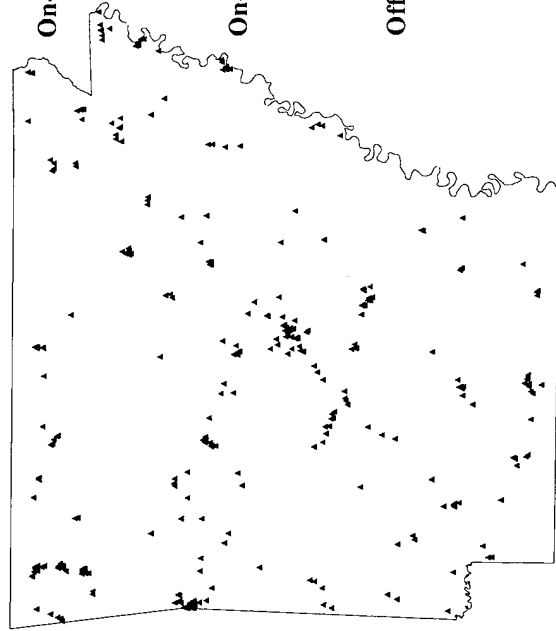


1993 TOXICS RELEASE INVENTORY

ARKANSAS

Reported Releases and Waste Management Activities (pounds)

Population	2,424,000	
Total Facilities	398	On-site Releases
Total Forms	1,299	Air Emissions
National Rank for Total Releases	22	Surface Water Discharges
National Rank for Air/Water/Land Releases	23	Underground Injection
Transfers into State		Releases to Land
Rank	24	
Pounds	16,557,978	On-site Waste Management
Transfers Out of State		Recycling
Rank	13	Energy Recovery
Pounds	56,888,206	Treatment
		Off-site Transfers for Further Waste Management
		Recycling
		Energy Recovery
		Treatment
		Publicly Owned Treatment Works (POTWs)
		Disposal
		Other Off-site Transfers



Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	5,036,955	1,022,293	0	5	6,059,253
Methanol	3,816,777	74,912	540,000	20,551	4,452,240
Toluene	3,192,732	0	16,700	255	3,209,687
Hydrochloric acid	625,364	0	2,496,535	5	3,121,904
Acetone	3,015,539	17,066	0	1,555	3,034,160

Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	5,036,955	1,022,293	5	6,059,253
Methanol	3,816,777	74,912	20,551	3,912,240
Toluene	3,192,732	0	255	3,192,987
Acetone	3,015,539	17,066	1,555	3,034,160
Xylene (mixed isomers)	2,759,851	255	251	2,760,357



# 1993 TOXICS RELEASE INVENTORY

# ARKANSAS

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Agricultural Minerals L.P.	Blytheville, Mississippi	3,182,550	301,290	0	765	3,484,605
U.S. Vanadium Corp.	Hot Springs, Garland	763,000	552,750	0	780,900	2,096,650
Great Lakes Chemical Corp.	El Dorado, Union	209,471	0	1,878,740	0	2,088,211
International Paper	Pine Bluff, Jefferson	1,819,555	70,105	0	0	1,889,660
Albemarle Corp.	Magnolia, Columbia	884,931	255	430,810	500,750	1,816,746
Georgia-Pacific Corp.	Crossett, Ashley	828,847	34,148	0	504,000	1,366,995
Viskase Corp.	Osceola, Mississippi	1,113,250	250,250	0	0	1,363,500
Great Lakes Chemical Corp.	El Dorado, Union	67,948	0	1,194,966	0	1,262,914
Columbian Chemicals Co.	El Dorado, Union	729,459	0	0	0	729,459
Lion Oil Co.	El Dorado, Union	663,517	7,948	0	0	671,465

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Agricultural Minerals L.P.	Blytheville, Mississippi	3,182,550	301,290	765	3,484,605
U.S. Vanadium Corp.	Hot Springs, Garland	763,000	552,750	780,900	2,096,650
International Paper	Pine Bluff, Jefferson	1,819,555	70,105	0	1,889,660
Albemarle Corp.	Magnolia, Columbia	884,931	255	500,750	1,385,936
Georgia-Pacific Corp.	Crossett, Ashley	828,847	34,148	504,000	1,366,995
Viskase Corp.	Osceola, Mississippi	1,113,250	250,250	0	1,363,500
Columbian Chemicals Co.	El Dorado, Union	729,459	0	0	729,459
Lion Oil Co.	El Dorado, Union	663,517	7,948	0	671,465
James River Paper Co. Inc.	Fort Smith, Sebastian	663,030	0	0	663,030
Okla Homer Smith Furniture Co.	Fort Smith, Sebastian	662,695	0	0	662,695

## For More Information. . .

**State Contact:**  
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**EPA Regional Contact:**  
(214) 665-8013

**John Ward**  
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**Warren Layne**  
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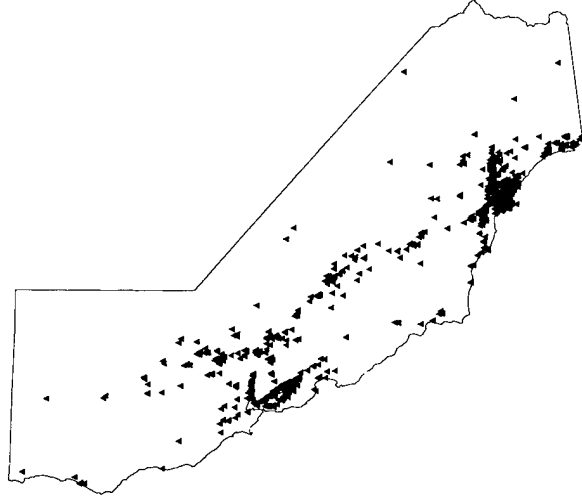
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1993 TOXICS RELEASE INVENTORY

CALIFORNIA

Population 31,211,000  
Total Facilities 1,758  
Total Forms 5,078  
National Rank for Total Releases 15  
National Rank for Air/Water/Land Releases 16  
Transfers into State Rank 10  
Pounds 66,918,797  
Transfers Out of State Rank 30  
Pounds 21,638,742



Reported Releases and Waste Management Activities (pounds)

**On-site Releases**  
Air Emissions 57,270,288  
Surface Water Discharges 46,538,726  
Underground Injection 3,085,060  
Releases to Land 4,152,139  
3,494,363  
**On-site Waste Management**  
Recycling 832,843,802  
Energy Recovery 191,645,057  
Treatment 293,336,341  
347,862,404  
**Off-site Transfers for Further Waste Management**  
Recycling 272,726,552  
Energy Recovery 227,379,771  
Treatment 9,592,954  
Publicly Owned Treatment Works (POTWs) 6,746,814  
Disposal 19,418,656  
Other Off-site Transfers 9,370,805  
217,552

Top Five Chemicals for Total Releases

Chemical	Surface Water		Underground Injection		Total Releases Pounds
	Air Emissions Pounds	Discharges Pounds	Discharges Pounds	Releases to Land Pounds	
1,1,1-Trichloroethane	15,083,684	8	0	12,509	15,096,201
Ammonia	7,908,003	417,422	388,827	538,900	9,253,152
Methanol	1,165,068	2,275,480	3,607,590	0	7,048,138
Dichloromethane	2,091,983	7	0	6,324	2,098,314
Acetone	2,033,626	25,511	0	7,440	2,066,577

Top Five Chemicals for Air/Water/Land Releases

Chemical	Surface Water		Total Releases Pounds
	Air Emissions Pounds	Discharges to Land Pounds	
1,1,1-Trichloroethane	15,083,684	8	15,096,201
Ammonia	7,908,003	417,422	8,864,325
Methanol	1,165,068	2,275,480	3,440,548
Dichloromethane	2,091,983	7	2,098,314
Acetone	2,033,626	25,511	2,066,577



# 1993 TOXICS RELEASE INVENTORY

# CALIFORNIA

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Louisiana-Pacific Corp.	Samoa, Humboldt	150,821	1,824,000	0	0	1,974,821
Heublein Inc.	Madera, Madera	5,000	0	0	1,445,986	1,450,986
Foamex L.P.	Orange, Orange	1,265,488	0	0	0	1,265,488
E. R. Carpenter Co. Inc.	Riverside, Riverside	1,072,260	0	0	0	1,072,260
Du Pont	Antioch, Contra Costa	1,005,410	0	0	0	1,005,410
Exxon Co. USA	Benicia, Solano	933,075	6,987	0	2,501	942,563
Douglas Aircraft Co.	Long Beach, Los Angeles	812,715	5	0	0	812,720
Crain Industries Inc.	Compton, Los Angeles	802,255	0	0	0	802,255
Unocal Mountain Pass Operations	Mountain Pass, San Bernardino	115,570	0	0	663,936	779,506
New United Motor Manufacturing	Fremont, Alameda	753,715	16	0	0	753,731

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Louisiana-Pacific Corp.	Samoa, Humboldt	150,821	1,824,000	0	1,974,821
Heublein Inc.	Madera, Madera	5,000	0	1,445,986	1,450,986
Foamex L.P.	Orange, Orange	1,265,488	0	0	1,265,488
E. R. Carpenter Co. Inc.	Riverside, Riverside	1,072,260	0	0	1,072,260
Du Pont	Antioch, Contra Costa	1,005,410	0	0	1,005,410
Exxon Co. USA	Benicia, Solano	933,075	6,987	2,501	942,563
Douglas Aircraft Co.	Long Beach, Los Angeles	812,715	5	0	812,720
Crain Industries Inc.	Compton, Los Angeles	802,255	0	0	802,255
Unocal Mountain Pass Operations	Mountain Pass, San Bernardino	115,570	0	663,936	779,506
New United Motor Manufacturing	Fremont, Alameda	753,715	16	0	753,731

## For More Information. . .

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**To obtain TRI data use assistance, call TRI User Support Service (TRI-US):**  
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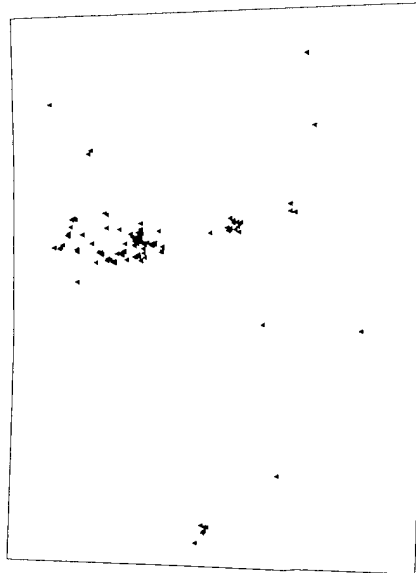
US DOE Naval Petroleum Reserve in Tupman was the largest California facility for total releases reporting to TRI in 1993 with 3,782,920 pounds of releases. However, the facility is not included in the top ten list because it is a federal facility and not required to report to TRI until 1994.



1993 TOXICS RELEASE INVENTORY

COLORADO

Population	3,566,000
Total Facilities	189
Total Forms	511
National Rank for Total Releases	44
National Rank for Air/Water/Land Releases	43
Transfers into State	
Rank	37
Pounds	2,885,230
Transfers Out of State	
Rank	37
Pounds	13,038,758



Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>		
Air Emissions		4,912,072
Surface Water Discharges		4,435,016
Underground Injection Releases to Land		189,656
		500
		286,900
<b>On-site Waste Management</b>		
Recycling		65,489,173
Energy Recovery		36,897,317
Treatment		4,480,008
		24,111,848
<b>Off-site Transfers for Further Waste Management</b>		
Recycling		19,206,052
Energy Recovery		9,794,524
Treatment		3,925,318
Publicly Owned Treatment Works (POTWs)		3,654,992
Disposal		632,061
Other Off-site Transfers		1,195,107
		4,050

Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges		Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
		Pounds	Pounds			
n-Butyl alcohol	533,787	0	0	0	0	533,787
Toluene	527,435	6	0	0	0	527,441
1,1,1-Trichloroethane	464,939	0	0	0	0	464,939
Glycol ethers	452,035	12,000	0	0	5	464,040
Acetone	422,178	0	0	0	0	422,178

Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges		Releases to Land Pounds	Total Releases Pounds
		Pounds	Pounds		
n-Butyl alcohol	533,787	0	0	0	533,787
Toluene	527,435	6	0	0	527,441
1,1,1-Trichloroethane	464,939	0	0	0	464,939
Glycol ethers	452,035	12,000	5	5	464,040
Acetone	422,178	0	0	0	422,178



# 1993 TOXICS RELEASE INVENTORY

# COLORADO

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
CF & I Steel Corp.	Pueblo, Pueblo	339,573	8,400	0	88,500	436,473
Ball Metal Container	Golden, Jefferson	404,010	0	0	0	404,010
Metal Container Corp.	Windsor, Weld	313,255	0	0	0	313,255
Syntex Chemicals Inc.	Boulder, Boulder	296,450	0	0	0	296,450
Coors Brewing Co.	Golden, Jefferson	213,891	47,263	0	0	261,154
Kodak	Windsor, Weld	178,581	60,381	0	19,568	258,530
Hausser Chemical Research Inc.	Boulder, Boulder	222,650	0	0	0	222,650
Western Forge Corp.	Colorado Springs, El Paso	168,730	0	0	0	168,730
Conoco Denver Refinery	Commerce City, Adams	123,273	44,915	0	0	168,188
Pillow Kingdom Mfg.	Denver, Denver	136,357	0	0	0	136,357

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
CF & I Steel Corp.	Pueblo, Pueblo	339,573	8,400	88,500	436,473
Ball Metal Container	Golden, Jefferson	404,010	0	0	404,010
Metal Container Corp.	Windsor, Weld	313,255	0	0	313,255
Syntex Chemicals Inc.	Boulder, Boulder	296,450	0	0	296,450
Coors Brewing Co.	Golden, Jefferson	213,891	47,263	0	261,154
Kodak	Windsor, Weld	178,581	60,381	19,568	258,530
Hausser Chemical Research Inc.	Boulder, Boulder	222,650	0	0	222,650
Western Forge Corp.	Colorado Springs, El Paso	168,730	0	0	168,730
Conoco Denver Refinery	Commerce City, Adams	123,273	44,915	0	168,188
Pillow Kingdom Mfg.	Denver, Denver	136,357	0	0	136,357

## For More Information...

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Fax (303) 293-1229

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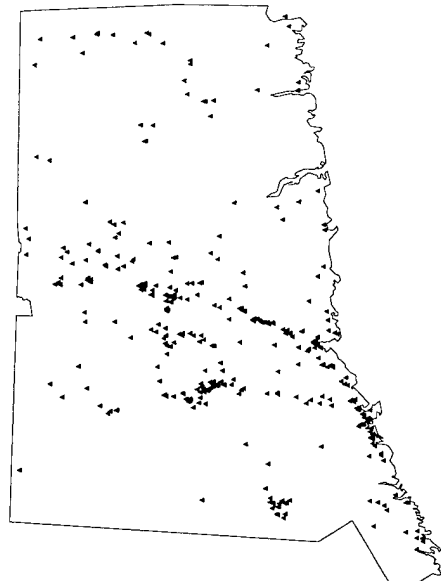


1993 TOXICS RELEASE INVENTORY

# CONNECTICUT

## Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>		
Air Emissions		13,195,339
Surface Water Discharges		10,477,018
Underground Injection		2,345,213
Releases to Land		0
		373,108
<b>On-site Waste Management</b>		
Recycling		222,606,191
Energy Recovery		133,850,127
Treatment		6,005,655
		82,750,409
<b>Off-site Transfers for Further Waste Management</b>		
Recycling		37,771,833
Energy Recovery		24,761,508
Treatment		4,055,556
Publicly Owned Treatment Works (POTWs)		6,771,808
Disposal		1,251,210
Other Off-site Transfers		915,069
		16,682



Population	3,277,000
Total Facilities	388
Total Forms	1,115
National Rank for Total Releases	37
National Rank for Air/Water/Land Releases	36
Transfers into State	17
Rank	33,712,699
Pounds	28
Transfers Out of State	23,086,908
Rank	
Pounds	

## Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
1,1,1-Trichloroethane	3,012,585	37	0	0	3,012,622
Methanol	1,220,319	1,316,511	0	143,847	2,680,677
Dichloromethane	1,886,446	40,311	0	12	1,926,769
Toluene	890,714	50,766	0	1	941,481
Tetrachloroethylene	788,689	221	0	0	788,910

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
1,1,1-Trichloroethane	3,012,585	37	0	3,012,622
Methanol	1,220,319	1,316,511	143,847	2,680,677
Dichloromethane	1,886,446	40,311	12	1,926,769
Toluene	890,714	50,766	1	941,481
Tetrachloroethylene	788,689	221	0	788,910



## 1993 TOXICS RELEASE INVENTORY

# CONNECTICUT

### Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Pfizer Inc.	Groton, New London	864,688	1,884,612	0	0	2,749,300
Cytec Ind.	Wallingford, New Haven	167,708	303,017	0	369,892	840,617
Chem-Tech Rubber Inc.	West Haven, New Haven	560,500	0	0	0	560,500
Risdon Corp.	Danbury, Fairfield	296,532	1	0	0	296,533
Quality Rolling & Deburring	Thomaston, Litchfield	273,214	260	0	0	273,474
Vitramon Inc.	Monroe, Fairfield	255,500	5	0	52	255,557
Holo-Krome Co.	West Hartford, Hartford	250,326	0	0	0	250,326
Cuno Inc.	Meriden, New Haven	232,743	0	0	0	232,743
Dow Chemical	Gales Ferry, New London	224,385	4	0	0	224,389
Amerbelle Corp.	Vernon, Tolland	221,080	0	0	0	221,080

### Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Pfizer Inc.	Groton, New London	864,688	1,884,612	0	2,749,300
Cytec Industries	Wallingford, New Haven	167,708	303,017	369,892	840,617
Chem-Tech Rubber Inc.	West Haven, New Haven	560,500	0	0	560,500
Risdon Corp.	Danbury, Fairfield	296,532	1	0	296,533
Quality Rolling & Deburring	Thomaston, Litchfield	273,214	260	0	273,474
Vitramon Inc.	Monroe, Fairfield	255,500	5	52	255,557
Holo-Krome Co.	West Hartford, Hartford	250,326	0	0	250,326
Cuno Inc.	Meriden, New Haven	232,743	0	0	232,743
Dow Chemical	Gales Ferry, New London	224,385	4	0	224,389
Amerbelle Corp.	Vernon, Tolland	221,080	0	0	221,080

### For More Information...

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(203) 424-3373

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(617) 565-4502

**David Jorsey**  
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**To obtain TRI data use assistance,  
call TRI User Support Service (TRI-US):**

(202) 260-1531      Fax (202) 260-4659

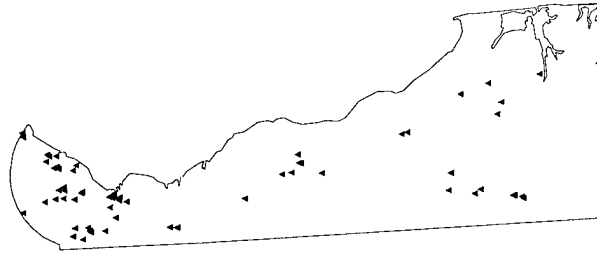




1993 TOXICS RELEASE INVENTORY

DELAWARE

Population	700,000
Total Facilities	75
Total Forms	286
National Rank for Total Releases	45
National Rank for Air/Water/Land Releases	44
Transfers into State	
Rank	23
Pounds	17,767,252
Transfers Out of State	
Rank	35
Pounds	14,273,367



Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>		
Air Emissions		4,812,606
Surface Water Discharges		4,502,835
Underground Injection		135,504
Releases to Land		0
		174,267
<b>On-site Waste Management</b>		
Recycling		119,362,713
Energy Recovery		25,772,082
Treatment		169,638
		93,420,993
<b>Off-site Transfers for Further Waste Management</b>		
Recycling		20,944,397
Energy Recovery		16,316,523
Treatment		439,333
Publicly Owned Treatment Works (POTWs)		1,005,826
Disposal		3,062,509
Other Off-site Transfers		120,206
		0

Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges		Under-ground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
		Pounds	Pounds			
Xylene (mixed isomers)	879,470	530		0	120	880,120
Hydrochloric acid	493,600	191		0	0	493,791
Methanol	449,807	150		0	0	449,957
Carbonyl sulfide	284,300	0		0	0	284,300
Trichloroethylene	240,000	0		0	0	240,000

Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges		Releases to Land Pounds	Total Releases Pounds
		Pounds	Pounds		
Xylene (mixed isomers)	879,470	530		120	880,120
Hydrochloric acid	493,600	191		0	493,791
Methanol	449,807	150		0	449,957
Carbonyl sulfide	284,300	0		0	284,300
Trichloroethylene	240,000	0		0	240,000



# 1993 TOXICS RELEASE INVENTORY

# DELAWARE

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Newark Assembly Plant	Newark, New Castle	931,759	0	0	0	931,759
General Motors Corp.	Wilmington, New Castle	826,221	0	0	0	826,221
Du Pont Seaford Plant	Seaford, Sussex	455,400	0	0	0	455,400
Star Enterprises	Delaware City, New Castle	100,280	80,492	0	163,777	344,549
Ciba-Geigy Corp.	Newport, New Castle	319,387	0	0	0	319,387
Du Pont	Edgemoor, New Castle	310,144	191	0	0	310,335
Camdel Metals Corp.	Camden, Kent	240,000	0	0	0	240,000
Standard Chlorine of Delaware	Delaware City, New Castle	197,029	614	0	0	197,643
Formosa Plastics Corp.	Delaware City, New Castle	146,621	0	0	0	146,621
Reichhold Chemicals	Cheswold, Kent	132,567	0	0	0	132,567

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Chrysler Newark Assembly Plant	Newark, New Castle	931,759	0	0	931,759
General Motors Corp.	Wilmington, New Castle	826,221	0	0	826,221
Du Pont Seaford Plant	Seaford, Sussex	455,400	0	0	455,400
Star Enterprises	Delaware City, New Castle	100,280	80,492	163,777	344,549
Ciba-Geigy Corp.	Newport, New Castle	319,387	0	0	319,387
Du Pont	Edgemoor, New Castle	310,144	191	0	310,335
Camdel Metals Corp.	Camden, Kent	240,000	0	0	240,000
Standard Chlorine of Delaware	Delaware City, New Castle	197,029	614	0	197,643
Formosa Plastics Corp.	Delaware City, New Castle	146,621	0	0	146,621
Reichhold Chemicals	Cheswold, Kent	132,567	0	0	132,567

## For More Information. . .

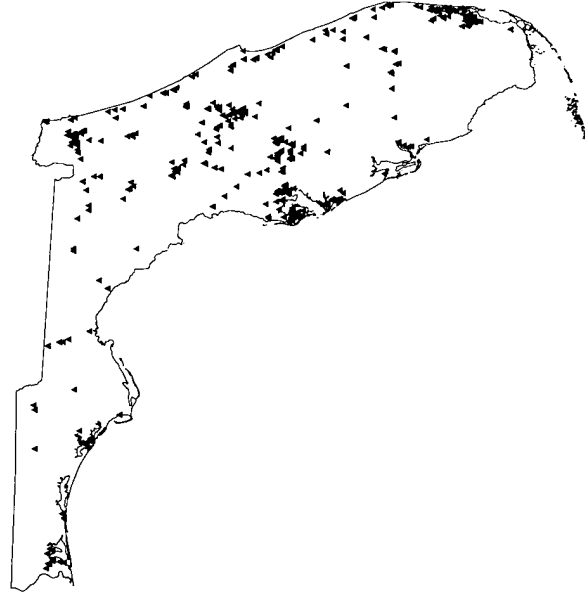
**State Contact:**  
 Joanne Deramo  
 Fax (302) 739-3106  
 (302) 739-4791  
**EPA Regional Contact:**  
 Mikal Shabazz  
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 call TRI User Support Service (TRI-US):  
 (202) 260-1531 Fax (202) 260-4659



# 1993 TOXICS RELEASE INVENTORY

# FLORIDA



Population	13,679,000	<b>Reported Releases and Waste Management Activities</b> (pounds)	
Total Facilities	512	<b>On-site Releases</b>	
Total Forms	1,436	Air Emissions	
National Rank for Total Releases	12	Surface Water Discharges	
National Rank for Air/Water/Land Releases	13	Underground Injection	
Releases into State	28	Releases to Land	
Rank	9,525,030	<b>On-site Waste Management</b>	
Pounds	29	Recycling	
Transfers Out of State	22,688,320	Energy Recovery	
Rank		Treatment	
Pounds		<b>Off-site Transfers for Further Waste Management</b>	
		Recycling	
		Energy Recovery	
		Treatment	
		Publicly Owned Treatment Works (POTWs)	
		Disposal	
		Other Off-site Transfers	

## Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Phosphoric acid	76,266	0	0	24,780,364	24,856,630
Ammonia	5,358,560	1,869,263	126,941	43,908	7,398,672
Methanol	6,387,326	33,247	108,879	46,661	6,576,113
Hydrochloric acid	1,315,503	1	4,876,348	12,155	6,204,007
Ammonium nitrate (solution)	128,021	201,584	4,700,000	357,990	5,387,595

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Phosphoric acid	76,266	0	24,780,364	24,856,630
Ammonia	5,358,560	1,869,263	43,908	7,271,731
Methanol	6,387,326	33,247	46,661	6,467,234
Acetone	2,697,255	15,860	20,284	2,733,399
Toluene	1,972,518	0	0	1,972,518



# 1993 TOXICS RELEASE INVENTORY

# FLORIDA

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
IMC Fertilizer Inc.	Mulberry, Polk	799,365	0	0	6,800,750	7,600,115
Occidental Chemical Corp.	White Springs, Hamilton	261,020	1,390	0	6,450,000	6,712,410
Monsanto Co.	Cantonment, Escambia	131,683	950	5,779,658	0	5,912,291
Kaiser Aluminum & Chemical	Mulberry, Polk	0	0	4,876,348	0	4,876,348
IMC-Agrico Co.	Mulberry, Polk	62,200	0	0	3,500,000	3,562,200
Cargill Fertilizer Inc.	Bartow, Polk	221,905	70	0	2,313,000	2,534,975
U.S. Agri-Chemicals Corp.	Fort Meade, Polk	40,065	5	0	2,457,014	2,497,084
ITT Rayonier Inc.	Fernandina Beach, Nassau	473,205	1,801,480	0	6,520	2,281,205
CF Industries Inc.	Plant City, Hillsborough	324,410	0	0	1,500,000	1,824,410
Buckeye Florida L.P.	Perry, Taylor	1,737,196	16,470	0	23,705	1,777,371

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
IMC Fertilizer Inc.	Mulberry, Polk	799,365	0	6,800,750	7,600,115
Occidental Chemical Corp.	White Springs, Hamilton	261,020	1,390	6,450,000	6,712,410
IMC-Agrico Co.	Mulberry, Polk	62,200	0	3,500,000	3,562,200
Cargill Fertilizer Inc.	Bartow, Polk	221,905	70	2,313,000	2,534,975
U.S. Agri-Chemicals Corp.	Fort Meade, Polk	40,065	5	2,457,014	2,497,084
ITT Rayonier Inc.	Fernandina Beach, Nassau	473,205	1,801,480	6,520	2,281,205
CF Industries Inc.	Plant City, Hillsborough	324,410	0	1,500,000	1,824,410
Buckeye Florida L.P.	Perry, Taylor	1,737,196	16,470	23,705	1,777,371
Container Corp. of America	Fernandina Beach, Nassau	1,712,764	4,685	9,492	1,726,941
Farmland Hydro L.P.	Bartow, Polk	584,000	20	1,100,000	1,684,020

## For More Information...

**State Contact:**  
 (904) 413-9929  
 (800) 635-7179 (in Florida)  
**EPA Regional Contact:**  
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**Bret Timmons**  
 Fax (904) 488-1739

**Pat Steed**  
 Fax (404) 347-1681

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 (202) 260-1531 Fax (202) 260-4659

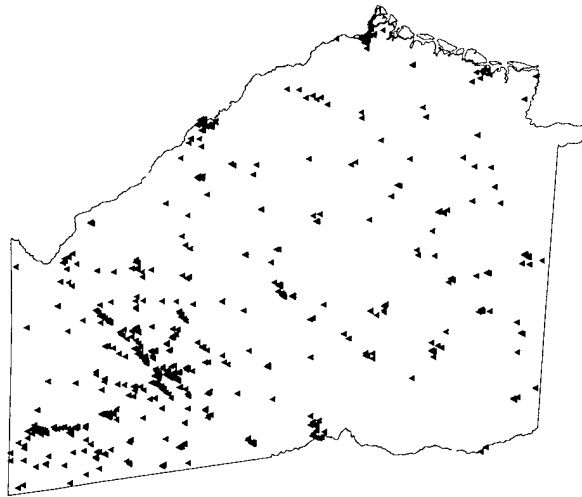


1993 TOXICS RELEASE INVENTORY

# GEORGIA

## Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>		
Air Emissions	49,886,970	
Surface Water Discharges	45,394,371	
Underground Injection Releases to Land	3,037,766	0
	1,454,833	
<b>On-site Waste Management</b>		
Recycling	716,749,397	
Energy Recovery	365,096,845	
Treatment	43,576,621	
	308,075,931	
<b>Off-site Transfers for Further Waste Management</b>		
Recycling	69,864,699	
Energy Recovery	52,316,876	
Treatment	7,099,249	
Publicly Owned Treatment Works (POTWs)	2,439,819	
Disposal	4,382,221	
Other Off-site Transfers	3,626,030	504



Population	6,917,000
Total Facilities	731
Total Forms	2,451
National Rank for Total Releases	17
National Rank for Air/Water/Land Releases	17
Transfers into State	
Rank	16
Pounds	34,474,004
Transfers Out of State	
Rank	18
Pounds	45,786,309

## Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Methanol	10,134,858	536,145	0	104,082	10,775,085
Ammonia	3,862,500	218,771	0	177,494	4,258,765
Hydrochloric acid	3,758,932	2,193	0	0	3,761,125
Xylene (mixed isomers)	3,190,885	436	0	28	3,191,349
Toluene	3,080,392	3,192	0	3,978	3,087,562

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Methanol	10,134,858	536,145	104,082	10,775,085
Ammonia	3,862,500	218,771	177,494	4,258,765
Hydrochloric acid	3,758,932	2,193	0	3,761,125
Xylene (mixed isomers)	3,190,885	436	28	3,191,349
Toluene	3,080,392	3,192	3,978	3,087,562



## 1993 TOXICS RELEASE INVENTORY

# GEORGIA

### Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Union Camp Corp.	Savannah, Chatham	3,100,575	398,895	0	0	3,499,470
Inland Container Corp.	Rome, Floyd	3,242,310	3,505	0	0	3,245,815
Great Southern Paper	Cedar Springs, Early	1,760,100	20,050	0	742,370	2,522,520
Arcadian Fertilizer L.P.	Augusta, Richmond	1,523,990	722,700	0	2,655	2,249,345
Hercules Inc.	Brunswick, Glynn	1,864,660	0	0	0	1,864,660
Georgia-Pacific Corp.	Brunswick, Glynn	1,561,441	73,060	0	554	1,635,055
Federal Paper Board Co. Inc.	Augusta, Richmond	1,441,305	5,223	0	13,616	1,460,144
Ford Motor Co.	Hapeville, Fulton	1,157,484	0	0	0	1,157,484
Packaging Corp. of America	Clyattville, Lowndes	964,715	92,265	0	21,730	1,078,710
DSM Chemicals Inc.	Augusta, Richmond	950,377	78,767	0	0	1,029,144

### Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Union Camp Corp.	Savannah, Chatham	3,100,575	398,895	0	3,499,470
Inland Container Corp.	Rome, Floyd	3,242,310	3,505	0	3,245,815
Great Southern Paper	Cedar Springs, Early	1,760,100	20,050	742,370	2,522,520
Arcadian Fertilizer L.P.	Augusta, Richmond	1,523,990	722,700	2,655	2,249,345
Hercules Inc.	Brunswick, Glynn	1,864,660	0	0	1,864,660
Georgia-Pacific Corp.	Brunswick, Glynn	1,561,441	73,060	554	1,635,055
Federal Paper Board Co. Inc.	Augusta, Richmond	1,441,305	5,223	13,616	1,460,144
Ford Motor Co.	Hapeville, Fulton	1,157,484	0	0	1,157,484
Packaging Corp. of America	Clyattville, Lowndes	964,715	92,265	21,730	1,078,710
DSM Chemicals Inc.	Augusta, Richmond	950,377	78,767	0	1,029,144

### For More Information. . .

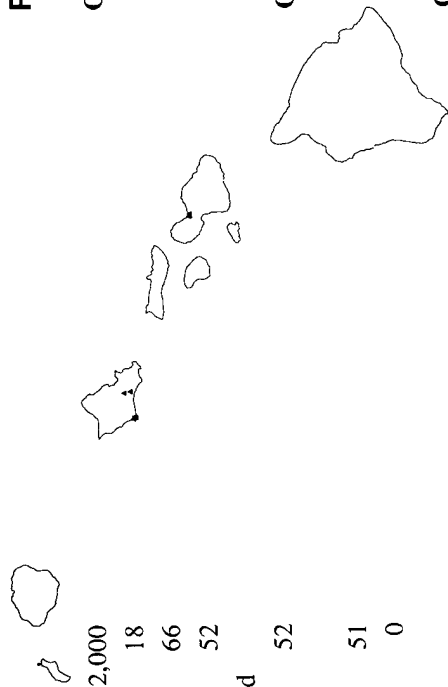
**State Contact:**  
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## 1993 TOXICS RELEASE INVENTORY



**Reported Releases and Waste Management Activities**  
(pounds)

Population	1,172,000	
Total Facilities	18	
Total Forms	66	
National Rank for Total Releases	52	
National Rank for Air/Water/Land Releases	52	
Transfers into State		
Rank	51	
Pounds	0	
Transfers Out of State		
Rank	52	
Pounds	53,268	



**On-site Releases**

Air Emissions	704,152
Surface Water Discharges	528,077
Underground Injection	14,300
Releases to Land	160,015
	1,760

**On-site Waste Management**

Recycling	7,479,878
Energy Recovery	15,261
Treatment	1,800,000
	5,664,617

**Off-site Transfers for Further Waste Management**

Recycling	59,920
Energy Recovery	39,148
Treatment	0
Publicly Owned Treatment Works (POTWs)	790
Disposal	5,000
Other Off-site Transfers	14,982
	0

## Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Under- ground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	20,350	13,300	96,000	0	129,650
Propylene	106,850	0	0	0	106,850
Glycol ethers	84,064	0	0	0	84,064
Toluene	66,900	0	5	250	67,155
n-Butyl alcohol	66,476	0	0	0	66,476

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air	Surface		Total
	Emissions Pounds	Water Discharges Pounds	Releases to Land Pounds	
Propylene	106,850	0	0	106,850
Glycol ethers	84,064	0	0	84,064
Toluene	66,900	0	250	67,150
n-Butyl alcohol	66,476	0	0	66,476
Benzene	46,700	0	5	46,705



# 1993 TOXICS RELEASE INVENTORY

# HAWAII

## Top Ten Facilities for Total Releases

*Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Chevron USA Products Co.	Kapolei, Honolulu	283,665	14,300	0	1,760	299,725
BHP Petroleum Americas	Kapolei, Honolulu	73,815	0	96,030	0	169,845
Reynolds Metals Co.	Ewa Beach, Honolulu	150,783	0	250	0	151,033
Maui Pineapple Co. Ltd.	Kahului, Maui	0	0	63,485	0	63,485
Elegant Marble Inc.	Honolulu, Honolulu	19,559	0	0	0	19,559
Jorgensen Steel & Aluminum	Ewa Beach, Honolulu	0	0	250	0	250
Alpac Corp. DBA Pepsi-Cola	Aiea, Honolulu	250	0	0	0	250
Brewer Environmental Ind. Inc.	Kahului, Maui	5	0	0	0	5
. . .						. . .
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## Top Ten Facilities for Air/Water/Land Releases

*Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Chevron USA Products Co.	Kapolei, Honolulu	283,665	14,300	1,760	299,725
Reynolds Metals Co.	Ewa Beach, Honolulu	150,783	0	0	150,783
BHP Petroleum Americas	Kapolei, Honolulu	73,815	0	0	73,815
Elegant Marble Inc.	Honolulu, Honolulu	19,559	0	0	19,559
Alpac Corp. DBA Pepsi-Cola	Aiea, Honolulu	250	0	0	250
Brewer Environmental Ind. Inc.	Kahului, Maui	5	0	0	5
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## For More Information. . .

**State Contact:** Marsha Mealey  
 (808) 586-4694  
**EPA Regional Contact:** Pam Tsai  
 (415) 744-1116  
**To obtain TRI data use assistance, call TRI User Support Service (TRI-US):**  
 (202) 260-1531 Fax (202) 260-4659

\* Of the 18 facilities in Hawaii that report to TRI, only eight reported releases greater than zero and only six of those reported air/water/land releases.



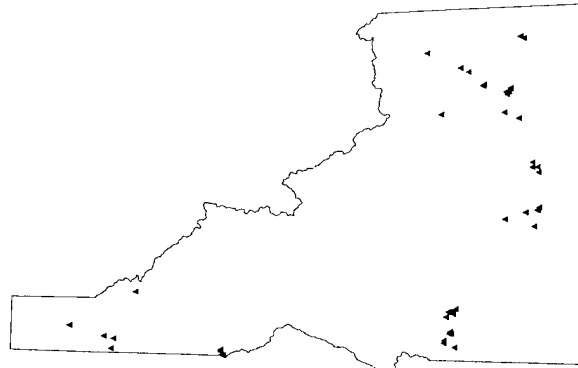


1993 TOXICS RELEASE INVENTORY

IDAHO

Reported Releases and Waste Management Activities (pounds)

On-site Releases	8,018,204
Air Emissions	4,269,802
Surface Water Discharges	30,574
Underground Injection	0
Releases to Land	3,717,828
On-site Waste Management	30,175,314
Recycling	348,152
Energy Recovery	455,000
Treatment	29,372,162
Off-site Transfers for Further Waste Management	2,842,092
Recycling	515,255
Energy Recovery	247,671
Treatment	46,510
Publicly Owned Treatment Works (POTWs)	2,027,567
Disposal	4,839
Other Off-site Transfers	250



Population	1,099,000
Total Facilities	58
Total Forms	162
National Rank for Total Releases	43
National Rank for Air/Water/Land Releases	42
Transfers into State	
Rank	43
Pounds	950,634
Transfers Out of State	
Rank	47
Pounds	562,922

Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	2,918,156	17,720	0	2,438,203	5,374,079
Sulfuric acid	89,640	0	0	400,005	489,645
Zinc compounds	1,626	2,700	0	457,146	461,472
Methanol	432,500	0	0	14,000	446,500
Phosphorus (yellow or white)	30	0	0	317,249	317,279

Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	2,918,156	17,720	2,438,203	5,374,079
Sulfuric acid	89,640	0	400,005	489,645
Zinc compounds	1,626	2,700	457,146	461,472
Methanol	432,500	0	14,000	446,500
Phosphorus (yellow or white)	30	0	317,249	317,279



# 1993 TOXICS RELEASE INVENTORY

# IDAHO

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Kerr-Mcgee Vanadium Facility	Soda Springs, Caribou	153,682	0	0	1,162,390	1,316,072
Potlatch Corp.	Lewiston, Nez Perce	598,505	12,850	0	448,260	1,059,615
Amalgamated Sugar Co.	Paul, Minidoka	943,750	0	0	27,623	971,373
Amalgamated Sugar Co.	Nampa, Canyon	720,440	0	0	11,000	731,440
J. R. Simplot Co.	Caldwell, Canyon	31,510	0	0	559,903	591,413
J. R. Simplot Co.	Pocatello, Power	567,120	0	0	8,273	575,393
Amalgamated Sugar Co.	Twin Falls, Twin Falls	498,306	0	0	39,739	538,045
Nu-West Industries Inc.	Soda Springs, Caribou	52,622	0	0	400,000	452,622
FMC Corp.	Pocatello, Bannock	33,398	0	0	336,777	370,175
Lamb-Weston Inc.	American Falls, Power	5	0	0	318,835	318,840

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Kerr-Mcgee Vanadium Facility	Soda Springs, Caribou	153,682	0	1,162,390	1,316,072
Potlatch Corp.	Lewiston, Nez Perce	598,505	12,850	448,260	1,059,615
Amalgamated Sugar Co.	Paul, Minidoka	943,750	0	27,623	971,373
Amalgamated Sugar Co.	Nampa, Canyon	720,440	0	11,000	731,440
J. R. Simplot Co.	Caldwell, Canyon	31,510	0	559,903	591,413
J. R. Simplot Co.	Pocatello, Power	567,120	0	8,273	575,393
Amalgamated Sugar Co.	Twin Falls, Twin Falls	498,306	0	39,739	538,045
Nu-West Industries Inc.	Soda Springs, Caribou	52,622	0	400,000	452,622
FMC Corp.	Pocatello, Bannock	33,398	0	336,777	370,175
Lamb-Weston Inc.	American Falls, Power	5	0	318,835	318,840

## For More Information...

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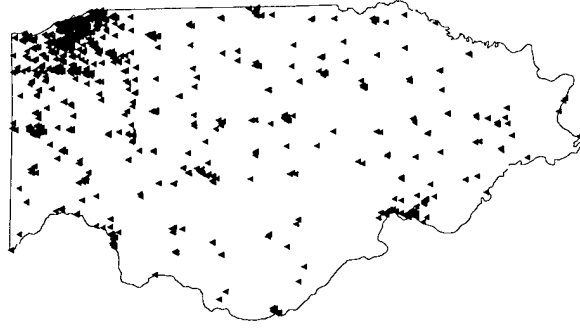
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call TRI User Support Service (TRI-US):  
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## 1993 TOXICS RELEASE INVENTORY

# ILLINOIS



Population	11,697,000
Total Facilities	1,387
Total Forms	4,899
National Rank for Total Releases	7
National Rank for Air/Water/Land Releases	9
Transfers into State	
Rank	5
Pounds	145,845,093
Transfers Out of State	
Rank	3
Pounds	146,473,896

### Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>	100,990,919
Air Emissions	63,011,054
Surface Water Discharges	5,167,311
Underground Injection	12,551,427
Releases to Land	20,261,127
<b>On-site Waste Management</b>	676,136,995
Recycling	188,046,274
Energy Recovery	35,991,832
Treatment	452,098,889
<b>Off-site Transfers for Further Waste Management</b>	263,582,617
Recycling	140,936,017
Energy Recovery	38,003,092
Treatment	19,720,357
Publicly Owned Treatment Works (POTWs)	47,878,672
Disposal	17,036,493
Other Off-site Transfers	7,986

### Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Hydrochloric acid	5,927,457	1	12,549,362	4,270	18,481,090
Ammonia	4,219,273	4,955,946	0	470,974	9,646,193
Zinc compounds	657,384	17,574	250	7,988,350	8,663,558
Toluene	6,727,779	623	0	4,608	6,733,010
Manganese compounds	67,013	8,718	0	5,159,692	5,235,423

### Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	4,219,273	4,955,946	470,974	9,646,193
Zinc compounds	657,384	17,574	7,988,350	8,663,308
Toluene	6,727,779	623	4,608	6,733,010
Hydrochloric acid	5,927,457	1	4,270	5,931,728
Manganese compounds	67,013	8,718	5,159,692	5,235,423



# 1993 TOXICS RELEASE INVENTORY

# ILLINOIS

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Northwestern Steel & Wire Co.	Sterling, Whiteside	301,470	3,100	0	13,970,000	14,274,570
Cabot Corp.	Tuscola, Douglas	3,177,080	0	10,749,360	0	13,926,440
Granite City Steel 3M Co.	Granite City, Madison	380,242	84,312	0	4,691,594	5,156,148
Teepak Inc.	Cordova, Rock Island	229,313	3,692,596	0	54,400	3,976,309
Corn Products & Best Foods	Danville, Vermilion	3,597,039	6,750	0	0	3,603,789
LTV Steel Co.	Bedford Park, Cook	2,385,655	0	0	0	2,385,655
Quantum Chemical Corp.	Hennepin, Putnam	76,000	250	1,800,250	0	1,876,500
3M Co.	Morris, Grundy	1,785,685	520	0	0	1,786,205
Viskase Corp.	Bedford Park, Cook	1,406,155	0	0	0	1,406,155
	Bedford Park, Cook	1,223,050	0	0	0	1,223,050

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Northwestern Steel & Wire Co.	Sterling, Whiteside	301,470	3,100	13,970,000	14,274,570
Granite City Steel 3M Co.	Granite City, Madison	380,242	84,312	4,691,594	5,156,148
Teepak Inc.	Cordova, Rock Island	229,313	3,692,596	54,400	3,976,309
Cabot Corp.	Danville, Vermilion	3,597,039	6,750	0	3,603,789
Corn Products & Best Foods	Tuscola, Douglas	3,177,080	0	0	3,177,080
Quantum Chemical Corp.	Bedford Park, Cook	2,385,655	0	0	2,385,655
3M Co.	Morris, Grundy	1,785,685	520	0	1,786,205
Viskase Corp.	Bedford Park, Cook	1,406,155	0	0	1,406,155
Ford Motor Co.	Bedford Park, Cook	1,223,050	0	0	1,223,050
	Chicago, Cook	1,214,565	0	0	1,214,565

## For More Information...

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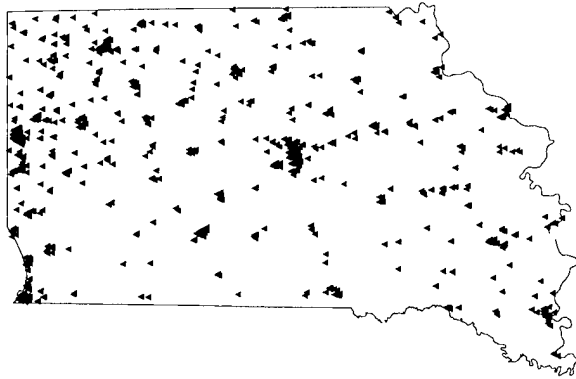
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## 1993 TOXICS RELEASE INVENTORY

# INDIANA

Population 5,713,000  
 Total Facilities 1,041  
 Total Forms 3,693  
 National Rank for Total Releases 8  
 National Rank for Air/Water/Land Releases 8  
 Transfers into State Rank 3  
 Pounds 198,828,189  
 Transfers Out of State Rank 10  
 Pounds 92,512,698



### Reported Releases and Waste Management Activities (pounds)

**On-site Releases**  
 Air Emissions 97,844,399  
 Surface Water Discharges 76,875,870  
 Underground Injection 777,645  
 Releases to Land 7,425,421  
 12,765,463

**On-site Waste Management**  
 Recycling 605,121,532  
 Energy Recovery 256,173,412  
 Treatment 40,722,982  
 308,225,138

**Off-site Transfers for Further Waste Management**  
 Recycling 479,742,024  
 Energy Recovery 413,167,791  
 Treatment 16,627,290  
 Publicly Owned Treatment Works (POTWs) 31,239,809  
 Disposal 3,572,043  
 15,131,517  
 Other Off-site Transfers 3,574

### Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	12,693,466	502	0	10,560	12,704,528
Manganese compounds	478,176	24,460	4,800	8,646,728	9,154,164
Xylene (mixed isomers)	8,413,104	416	0	10,403	8,423,923
Dichloromethane	8,012,311	1,797	0	760	8,014,868
Hydrochloric acid	1,380,242	10	6,406,300	255	7,786,807

### Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	12,693,466	502	10,560	12,704,528
Manganese compounds	478,176	24,460	8,646,728	9,149,364
Xylene (mixed isomers)	8,413,104	416	10,403	8,423,923
Dichloromethane	8,012,311	1,797	760	8,014,868
Acetone	6,595,296	1,385	585	6,597,266



# 1993 TOXICS RELEASE INVENTORY

# INDIANA

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Inland Steel Co.	East Chicago, Lake	434,977	320,092	0	9,863,650	10,618,719
National Steel Corp.	Portage, Porter	5,500	900	4,606,300	122,300	4,735,000
Bethlehem Steel Corp.	Burns Harbor, Porter	503,565	92,605	2,819,000	484,800	3,899,970
3M Co.	Hartford City, Blackford	3,020,475	0	0	0	3,020,475
Flexel Indiana Inc.	Covington, Warren	2,583,780	250	0	2,000	2,586,030
Eli Lilly & Co.	Shadeland, Tippecanoe	2,386,766	33,948	0	0	2,420,714
USS Gary Works	Gary, Lake	1,269,269	17,070	0	1,117,009	2,403,348
General Electric Co.	Mount Vernon, Posey	2,347,845	7,910	0	0	2,355,755
R. R. Donnelley & Sons Co.	Warsaw, Kosciusko	2,304,002	146	0	0	2,304,148
Eli Lilly & Co.	Clinton, Vermillion	2,026,535	81,995	0	138,580	2,247,110

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Inland Steel Co.	East Chicago, Lake	434,977	320,092	9,863,650	10,618,719
3M Co.	Hartford City, Blackford	3,020,475	0	0	3,020,475
Flexel Indiana Inc.	Covington, Warren	2,583,780	250	2,000	2,586,030
Eli Lilly & Co.	Shadeland, Tippecanoe	2,386,766	33,948	0	2,420,714
USS Gary Works	Gary, Lake	1,269,269	17,070	1,117,009	2,403,348
General Electric Co.	Mount Vernon, Posey	2,347,845	7,910	0	2,355,755
R. R. Donnelley & Sons Co.	Warsaw, Kosciusko	2,304,002	146	0	2,304,148
Eli Lilly & Co.	Clinton, Vermillion	2,026,535	81,995	138,580	2,247,110
Alcoa	Newburgh, Warrick	1,942,795	8,297	60,430	2,011,522
Ford Electronics	Connersville, Fayette	1,669,603	0	0	1,669,603

## For More Information. . .

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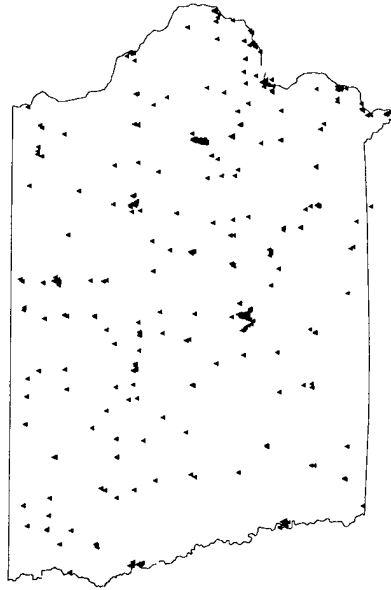


## 1993 TOXICS RELEASE INVENTORY

# IOWA

### Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>		
Air Emissions	31,515,946	
Surface Water Discharges	28,159,291	
Underground Injection	1,055,579	
Releases to Land	0	
	2,301,076	
<b>On-site Waste Management</b>		
Recycling	131,044,490	
Energy Recovery	40,515,195	
Treatment	1,992,536	
	88,536,759	
<b>Off-site Transfers for Further Waste Management</b>		
Recycling	40,439,634	
Energy Recovery	23,148,215	
Treatment	4,621,931	
Publicly Owned Treatment Works (POTWs)	2,530,478	
Disposal	8,833,109	
Other Off-site Transfers	1,305,151	
	750	



Population	2,814,000
Total Facilities	427
Total Forms	1,288
National Rank for Total Releases	25
National Rank for Air/Water/Land Releases	24
Transfers into State	
Rank	38
Pounds	2,648,717
Transfers Out of State	
Rank	26
Pounds	26,623,935

### Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	6,992,818	547,539	0	13,015	7,553,372
Toluene	3,846,267	4	0	11,254	3,857,525
Xylene (mixed isomers)	3,608,427	258	0	8,054	3,616,739
Methanol	2,206,565	868	0	0	2,207,433
Acetone	1,441,687	253	0	0	1,441,940

### Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	6,992,818	547,539	13,015	7,553,372
Toluene	3,846,267	4	11,254	3,857,525
Xylene (mixed isomers)	3,608,427	258	8,054	3,616,739
Methanol	2,206,565	868	0	2,207,433
Acetone	1,441,687	253	0	1,441,940



# 1993 TOXICS RELEASE INVENTORY

# IOWA

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Terra International Inc.	Sergeant Bluff, Woodbury	3,020,855	330,260	0	0	3,351,115
Climax Molybdenum Co.	Fort Madison, Lee	2,148,700	2,306	0	0	2,151,006
Grain Processing Corp.	Muscatine, Muscatine	1,648,918	0	0	0	1,648,918
Alcoa	Riverdale, Scott	1,552,191	2,120	0	0	1,554,311
Quantum Chemical Corp.	Clinton, Clinton	1,514,185	0	0	0	1,514,185
Arcadian Fertilizer L.P.	Camanche, Clinton	985,079	418,871	0	98,990	1,502,940
Griffin Wheel Co.	Keokuk, Lee	2,515	0	0	1,112,256	1,114,771
Winnebago Industries Inc.	Forest City, Hancock	965,289	0	0	0	965,289
Archer Daniels Midland	Clinton, Clinton	802,515	0	0	0	802,515
North Star Recycling	Wiltonjunction, Muscatine	0	0	0	777,500	777,500

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Terra International Inc.	Sergeant Bluff, Woodbury	3,020,855	330,260	0	3,351,115
Climax Molybdenum Co.	Fort Madison, Lee	2,148,700	2,306	0	2,151,006
Grain Processing Corp.	Muscatine, Muscatine	1,648,918	0	0	1,648,918
Alcoa	Riverdale, Scott	1,552,191	2,120	0	1,554,311
Quantum Chemical Corp.	Clinton, Clinton	1,514,185	0	0	1,514,185
Arcadian Fertilizer L.P.	Camanche, Clinton	985,079	418,871	98,990	1,502,940
Griffin Wheel Co.	Keokuk, Lee	2,515	0	1,112,256	1,114,771
Winnebago Industries Inc.	Forest City, Hancock	965,289	0	0	965,289
Archer Daniels Midland	Clinton, Clinton	802,515	0	0	802,515
North Star Recycling	Wiltonjunction, Muscatine	0	0	777,500	777,500

## For More Information...

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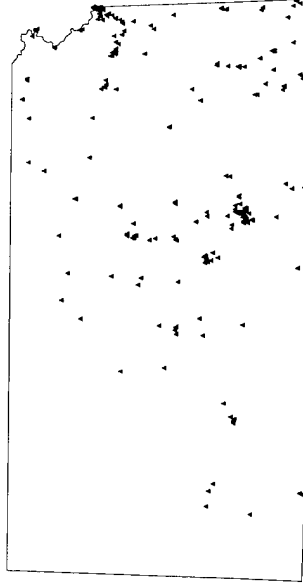


# 1993 TOXICS RELEASE INVENTORY

# KANSAS

## Reported Releases and Waste Management Activities (pounds)

Population	2,531,000	On-site Releases	39,831,380
Total Facilities	288	Air Emissions	21,396,521
Total Forms	1,017	Surface Water Discharges	743,750
National Rank for Total Releases	21	Underground Injection Releases to Land	17,159,038
National Rank for Air/Water/Land Releases	29	On-site Waste Management	532,071
Transfers into State		Recycling	897,743,483
Rank	26	Energy Recovery	558,339,954
Pounds	12,033,909	Treatment	284,883,893
Transfers Out of State			54,519,636
Rank	20	Off-site Transfers for Further Waste Management	57,468,042
Pounds	37,299,859	Recycling	39,859,752
		Energy Recovery	2,159,574
		Treatment	3,919,211
		Publicly Owned Treatment Works (POTWs)	2,455,067
		Disposal	9,058,591
		Other Off-site Transfers	15,847



## Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Hydrochloric acid	135,074	5	10,022,354	0	10,157,433
Sulfuric acid	71,889	5	6,039,122	815	6,111,831
Ammonia	4,155,354	53,458	123,900	321,977	4,654,689
Xylene (mixed isomers)	2,058,243	582	0	68	2,058,893
Toluene	1,856,413	872	2,600	1,127	1,861,012

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	4,155,354	53,458	321,977	4,530,789
Xylene (mixed isomers)	2,058,243	582	68	2,058,893
Toluene	1,856,413	872	1,127	1,858,412
Methyl ethyl ketone	1,423,920	0	5,300	1,429,220
Carbon disulfide	1,285,706	0	0	1,285,706



# 1993 TOXICS RELEASE INVENTORY

# KANSAS

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Vulcan Chemicals	Wichita, Sedgwick	432,349	0	16,973,869	0	17,406,218
Boeing Wichita	Wichita, Sedgwick	2,701,925	1,290	0	0	2,703,215
Farmland Industries Inc.	Lawrence, Douglas	1,436,788	659,600	0	475	2,096,863
Texaco Refining & Marketing	El Dorado, Butler	1,473,820	10,758	0	0	1,484,578
Flexel Inc.	Tecumseh, Shawnee	1,178,500	3,400	0	0	1,181,900
Farmland Industries Inc.	Coffeyville, Montgomery	935,822	6,626	0	3,084	945,532
General Motors Corp.	Kansas City, Wyandotte	852,110	250	0	0	852,360
Farmland Industries Inc.	Dodge City, Ford	807,310	0	0	7,042	814,352
Elf Atochem Inc.	Wichita, Sedgwick	793,064	0	0	0	793,064
Owens-Corning Fiberglas Corp.	Kansas City, Wyandotte	760,050	0	0	0	760,050

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Boeing Wichita	Wichita, Sedgwick	2,701,925	1,290	0	2,703,215
Farmland Industries Inc.	Lawrence, Douglas	1,436,788	659,600	475	2,096,863
Texaco Refining & Marketing	El Dorado, Butler	1,473,820	10,758	0	1,484,578
Flexel Inc.	Tecumseh, Shawnee	1,178,500	3,400	0	1,181,900
Farmland Industries Inc.	Coffeyville, Montgomery	935,822	6,626	3,084	945,532
General Motors Corp.	Kansas City, Wyandotte	852,110	250	0	852,360
Farmland Industries Inc.	Dodge City, Ford	807,310	0	7,042	814,352
Elf Atochem Inc.	Wichita, Sedgwick	793,064	0	0	793,064
Owens-Corning Fiberglas Corp.	Kansas City, Wyandotte	760,050	0	0	760,050
National Co-Op. Refinery	Mc Pherson, Mc Pherson	636,477	3,537	265	640,279

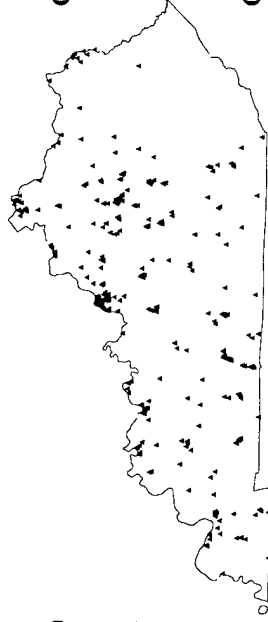
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1993 TOXICS RELEASE INVENTORY

KENTUCKY



Population 3,789,000  
Total Facilities 445  
Total Forms 1,698  
National Rank for Total Releases 23  
National Rank for Air/Water/Land Releases 21

Transfers into State

Rank 20  
Pounds 29,286,398

Transfers Out of State

Rank 11  
Pounds 71,706,569

Reported Releases and Waste Management Activities (pounds)

**On-site Releases**  
Air Emissions 36,826,199  
Surface Water Discharges 35,016,332  
Underground Injection 490,193  
Releases to Land 20,000  
1,299,674

**On-site Waste Management**

Recycling 466,454,177  
Energy Recovery 187,325,614  
Treatment 56,599,125  
222,529,438

**Off-site Transfers for Further Waste Management**

Recycling 87,891,420  
Energy Recovery 62,739,461  
Treatment 10,184,639  
Publicly Owned Treatment Works (POTWs) 9,575,465  
Disposal 2,187,485  
Other Off-site Transfers 3,143,410  
60,960

Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	5,513,944	2,555	0	251	5,516,750
Methanol	5,338,492	87,845	0	4,310	5,430,647
Xylene (mixed isomers)	4,458,394	3,664	0	250	4,462,308
Acetone	1,885,205	5,545	0	10	1,890,760
Glycol ethers	1,281,972	0	0	0	1,281,972

Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	5,513,944	2,555	251	5,516,750
Methanol	5,338,492	87,845	4,310	5,430,647
Xylene (mixed isomers)	4,458,394	3,664	250	4,462,308
Acetone	1,885,205	5,545	10	1,890,760
Glycol ethers	1,281,972	0	0	1,281,972



# 1993 TOXICS RELEASE INVENTORY

# KENTUCKY

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Air Products & Chemicals Inc.	Calvert City, Marshall	3,619,919	8,073	0	0	3,627,992
Ostram Sylvania Inc.	Versailles, Woodford	2,310,010	4	0	0	2,310,014
American Synthetic Rubber	Louisville, Jefferson	2,001,122	0	0	0	2,001,122
Brown Printing Co.	Franklin, Simpson	1,643,881	0	0	0	1,643,881
Ford Motor Co.	Louisville, Jefferson	1,602,429	0	0	0	1,602,429
Westvaco Corp.	Wickliffe, Ballard	1,039,980	75,000	0	4,014	1,118,994
Du Pont Louisville Plant	Louisville, Jefferson	1,033,113	0	0	0	1,033,113
Willamette Industries Inc.	Hawesville, Hancock	999,955	16,750	0	260	1,016,965
Carpenter Co.	Russellville, Logan	1,005,362	0	0	0	1,005,362
General Electric Appliances	Louisville, Jefferson	996,160	0	0	0	996,160

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Air Products & Chemicals Inc.	Calvert City, Marshall	3,619,919	8,073	0	3,627,992
Ostram Sylvania Inc.	Versailles, Woodford	2,310,010	4	0	2,310,014
American Synthetic Rubber	Louisville, Jefferson	2,001,122	0	0	2,001,122
Brown Printing Co.	Franklin, Simpson	1,643,881	0	0	1,643,881
Ford Motor Co.	Louisville, Jefferson	1,602,429	0	0	1,602,429
Westvaco Corp.	Wickliffe, Ballard	1,039,980	75,000	4,014	1,118,994
Du Pont Louisville Plant	Louisville, Jefferson	1,033,113	0	0	1,033,113
Willamette Industries Inc.	Hawesville, Hancock	999,955	16,750	260	1,016,965
Carpenter Co.	Russellville, Logan	1,005,362	0	0	1,005,362
General Electric Appliances	Louisville, Jefferson	996,160	0	0	996,160

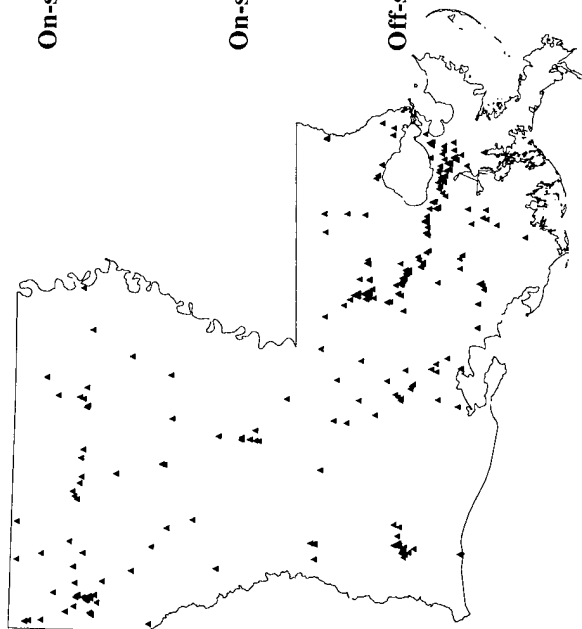
## For More Information. . .

**State Contact:** Alex Barber  
 (502) 564-2150  
 Fax (502) 564-4245  
**EPA Regional Contact:** Pat Steed  
 (404) 347-1033 Ext. 36  
 Fax (404) 347-1681  
**To obtain TRI data use assistance, call TRI User Support Service (TRI-US):**  
 (202) 260-1531  
 Fax (202) 260-4659



# LOUISIANA

<b>On-site Releases</b>	
Air Emissions	450,680,961
Surface Water Discharges	77,665,640
Underground Injection	210,347,583
Releases to Land	158,091,740
	4,575,998
<b>On-site Waste Management</b>	
Recycling	2,089,362,433
Energy Recovery	890,698,079
Treatment	252,891,322
	945,773,032
<b>Off-site Transfers for Further Waste Management</b>	
Recycling	126,342,479
Energy Recovery	111,187,063
Treatment	6,881,439
Publicly Owned Treatment Works (POTWs)	5,617,275
Disposal	40,857
Other Off-site Transfers	2,615,845
	0



Population	4,295,000
Total Facilities	322
Total Forms	2,017
National Rank for Total Releases	1
National Rank for Air/Water/Land Releases	1
Transfers into State	
Rank	1
Pounds	322,772,736
Transfers Out of State	
Rank	17
Pounds	46,901,888

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air	Surface	Under-	Releases	Total
	Emissions Pounds	Water Discharges Pounds	ground Injection Pounds	to Land Pounds	Releases Pounds
Phosphoric acid	28,088	175,805,372	33,000	1,056,724	176,923,184
Sulfuric acid	1,488,265	27,226,261	82,019,000	456,390	111,189,916
Ammonia	19,758,795	4,361,803	39,481,551	210,527	63,812,676
Methanol	9,660,512	255,087	9,829,000	76,771	19,821,370
Carbon disulfide	7,869,688	0	2,800	0	7,872,488

Chemical	Air		Surface		Total Releases
	Emissions Pounds	Water Discharges Pounds	Releases to Land Pounds	Pounds	
Phosphoric acid	28,088	175,805,372	1,056,724	176,890,184	
Sulfuric acid	1,488,265	27,226,261	456,390	29,170,916	
Ammonia	19,758,795	4,361,803	210,527	24,331,125	
Methanol	9,660,512	255,087	76,771	9,992,370	
Carbon disulfide	7,869,688	0	0	7,869,688	



## 1993 TOXICS RELEASE INVENTORY

# LOUISIANA

### Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
IMC-Agrico Co.	Saint James, St. James	5,084,677	122,406,028	0	422,262	127,912,967
Cytec Industries Inc.	Westwego, Jefferson	530,923	40,551	119,578,250	0	120,149,724
IMC-Agrico Co.	Uncle Sam, St. James	108,337	61,442,528	0	256,315	61,807,180
Arcadian Fertilizer L.P.	Geismar, Ascension	1,925,191	19,985,915	0	761,855	22,672,961
Uniroyal Chemical Co. Inc.	Geismar, Ascension	919,372	16,420	8,088,520	0	9,024,312
Rubicon Inc.	Geismar, Ascension	361,457	131	8,260,300	0	8,621,888
CF Industries Inc.	Donaldsonville, Ascension	6,085,325	951,965	0	0	7,037,290
Angus Chemical Co.	Sterlington, Ouachita	421,245	72,560	5,523,000	0	6,016,805
UOP	Blanchard, Caddo	111,400	5	4,500,927	0	4,612,332
Cabot Corp.	Franklin, St. Mary	4,545,100	0	0	0	4,545,100

### Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
IMC-Agrico Co.	Saint James, St. James	5,084,677	122,406,028	422,262	127,912,967
IMC-Agrico Co.	Uncle Sam, St. James	108,337	61,442,528	256,315	61,807,180
Arcadian Fertilizer L.P.	Geismar, Ascension	1,925,191	19,985,915	761,855	22,672,961
CF Industries Inc.	Donaldsonville, Ascension	6,085,325	951,965	0	7,037,290
Cabot Corp.	Franklin, St. Mary	4,545,100	0	0	4,545,100
Cabot Corp.	Ville Platte, Evangeline	4,416,847	0	0	4,416,847
Dow Chemical Co.	Plaquemine, Iberville	2,058,424	745,836	1,080,931	3,885,191
Triad Chemical	Donaldsonville, Ascension	3,225,637	355,026	0	3,580,663
Degussa Carbon Black Ivanhoe	Louisiana, St. Mary	2,510,000	0	0	2,510,000
Georgia-Pacific Corp.	Zachary, East Baton Rouge	2,110,705	23,000	3,770	2,137,475

### For More Information. . .

**State Contact:**  
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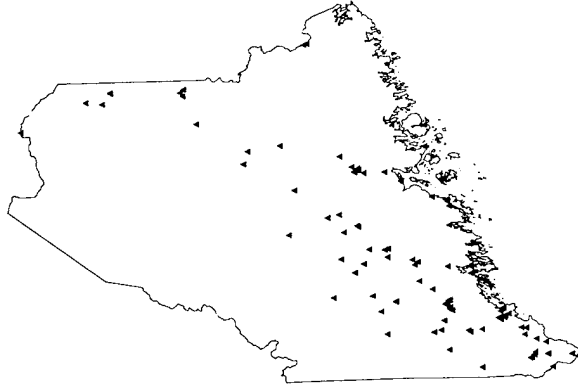


## 1993 TOXICS RELEASE INVENTORY

# MAINE

### Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>		12,624,098
Air Emissions		10,619,968
Surface Water Discharges		625,901
Underground Injection		0
Releases to Land		1,378,229
<b>On-site Waste Management</b>		91,936,555
Recycling		7,305,310
Energy Recovery		11,602,689
Treatment		73,028,556
<b>Off-site Transfers for Further Waste Management</b>		4,682,263
Recycling		2,965,478
Energy Recovery		600,484
Treatment		296,433
Publicly Owned Treatment Works (POTWs)		625,989
Disposal		193,879
Other Off-site Transfers		0



Population	1,239,000
Total Facilities	111
Total Forms	354
National Rank for Total Releases	38
National Rank for Air/Water/Land Releases	37
Transfers into State	
Rank	50
Pounds	9,725
Transfers Out of State	
Rank	42
Pounds	2,931,209

### Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Methanol	2,423,581	248,900	0	113,079	2,785,560
Sulfuric acid	1,812,143	150	0	0	1,812,293
Hydrochloric acid	1,151,083	244	0	17,623	1,168,950
Zinc compounds	29,384	17,600	0	901,165	948,149
Acetone	834,687	25,526	0	2,501	862,714

### Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Methanol	2,423,581	248,900	113,079	2,785,560
Sulfuric acid	1,812,143	150	0	1,812,293
Hydrochloric acid	1,151,083	244	17,623	1,168,950
Zinc compounds	29,384	17,600	901,165	948,149
Acetone	834,687	25,526	2,501	862,714



# 1993 TOXICS RELEASE INVENTORY

# MAINE

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
S. D. Warren Co.	Hinckley, Somerset	863,990	14,834	0	502,078	1,380,902
Georgia-Pacific Corp.	Woodland, Washington	1,007,105	124,950	0	5,016	1,137,071
Champion International Corp.	Bucksport, Hancock	476,193	34,543	0	529,065	1,039,801
S. D. Warren Co.	Westbrook, Cumberland	928,720	38,460	0	3,760	970,940
Boise Cascade Corp.	Rumford, Oxford	855,290	65,095	0	0	920,385
International Paper	Jay, Franklin	583,852	209,648	0	56,361	849,861
Bowater/Great Northern Paper	Millinocket, Penobscot	805,250	13,000	0	0	818,250
James River Paper Co. Inc.	Old Town, Penobscot	475,020	66,234	0	13,820	555,074
Jones & Vining Inc.	Lewiston, Androscoggin	441,695	1	0	0	441,696
Pioneer Plastics Corp.	Auburn, Androscoggin	418,562	0	0	0	418,562

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
S. D. Warren Co.	Hinckley, Somerset	863,990	14,834	502,078	1,380,902
Georgia-Pacific Corp.	Woodland, Washington	1,007,105	124,950	5,016	1,137,071
Champion International Corp.	Bucksport, Hancock	476,193	34,543	529,065	1,039,801
S. D. Warren Co.	Westbrook, Cumberland	928,720	38,460	3,760	970,940
Boise Cascade Corp.	Rumford, Oxford	855,290	65,095	0	920,385
International Paper	Jay, Franklin	583,852	209,648	56,361	849,861
Bowater/Great Northern Paper	Millinocket, Penobscot	805,250	13,000	0	818,250
James River Paper Co. Inc.	Old Town, Penobscot	475,020	66,234	13,820	555,074
Jones & Vining Inc.	Lewiston, Androscoggin	441,695	1	0	441,696
Pioneer Plastics Corp.	Auburn, Androscoggin	418,562	0	0	418,562

## For More Information. . .

**State Contact:**  
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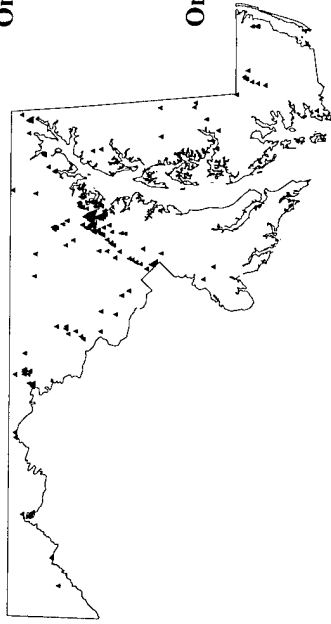




# 1993 TOXICS RELEASE INVENTORY

# MARYLAND

Population	4,965,000
Total Facilities	209
Total Forms	648
National Rank for Total Releases	36
National Rank for Air/Water/Land Releases	35
Transfers into State	
Rank	29
Pounds	9,496,607
Transfers Out of State	
Rank	19
Pounds	44,341,699



## Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>	13,229,878
Air Emissions	10,453,788
Surface Water Discharges	567,509
Underground Injection	0
Releases to Land	2,208,581
<b>On-site Waste Management</b>	341,568,957
Recycling	41,917,634
Energy Recovery	9,483,555
Treatment	290,167,768
<b>Off-site Transfers for Further Waste Management</b>	61,975,930
Recycling	52,005,750
Energy Recovery	2,566,686
Treatment	1,690,335
Publicly Owned Treatment Works (POTWs)	5,353,989
Disposal	359,170
Other Off-site Transfers	0

## Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	2,044,193	0	0	0	2,044,193
Manganese compounds	41,917	109,696	0	1,383,779	1,535,392
Hydrochloric acid	1,372,584	209	0	2,500	1,375,293
Carbonyl sulfide	1,000,000	0	0	0	1,000,000
Ammonia	460,143	292,434	0	250	752,827

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	2,044,193	0	0	2,044,193
Manganese compounds	41,917	109,696	1,383,779	1,535,392
Hydrochloric acid	1,372,584	209	2,500	1,375,293
Carbonyl sulfide	1,000,000	0	0	1,000,000
Ammonia	460,143	292,434	250	752,827



## 1993 TOXICS RELEASE INVENTORY

# MARYLAND

### Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Westvaco Corp.	Luke, Allegany	2,071,500	0	0	0	2,071,500
Quebecor Printing Memphis Inc.	Glen Burnie, Anne Arundel	1,991,284	0	0	0	1,991,284
Bethlehem Steel Corp.	Sparrows Point, Baltimore	243,892	175,598	0	1,017,000	1,436,490
SCM Chemicals	Baltimore, Baltimore City	1,022,838	95	0	0	1,022,933
Eastern Stainless Corp.	Baltimore, Baltimore City	5,000	765	0	1,010,739	1,016,504
General Motors Corp.	Baltimore, Baltimore City	819,341	230	0	0	819,571
W. R. Grace & Co.	Baltimore, Baltimore City	228,751	154,418	0	0	383,169
Cytec Industries Inc.	Havre De Grace, Harford	368,471	0	0	0	368,471
Chemicals Inc.	Baltimore, Anne Arundel	39,695	155,872	0	2,470	198,037
Nevamar Corp.	Odenton, Anne Arundel	189,460	0	0	0	189,460

### Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
estvaco Corp.	Luke, Allegany	2,071,500	0	0	2,071,500
Quebecor Printing Memphis Inc.	Glen Burnie, Anne Arundel	1,991,284	0	0	1,991,284
Bethlehem Steel Corp.	Sparrows Point, Baltimore	243,892	175,598	1,017,000	1,436,490
SCM Chemicals	Baltimore, Baltimore City	1,022,838	95	0	1,022,933
Eastern Stainless Corp.	Baltimore, Baltimore City	5,000	765	1,010,739	1,016,504
General Motors Corp.	Baltimore, Baltimore City	819,341	230	0	819,571
W. R. Grace & Co.	Baltimore, Baltimore City	228,751	154,418	0	383,169
Cytec Industries Inc.	Havre De Grace, Harford	368,471	0	0	368,471
Chemicals Inc.	Baltimore, Anne Arundel	39,695	155,872	2,470	198,037
Nevamar Corp.	Odenton, Anne Arundel	189,460	0	0	189,460

### For More Information. . .

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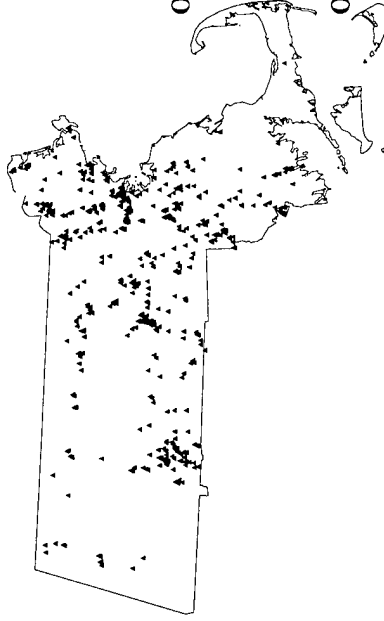
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1993 TOXICS RELEASE INVENTORY

MASSACHUSETTS

Population 6,012,000  
Total Facilities 588  
Total Forms 1,654  
National Rank for Total Releases 39  
National Rank for Air/Water/Land Releases 38  
Transfers into State 27  
Rank 27  
Pounds 10,132,457  
Transfers Out of State 27  
Rank 27  
Pounds 23,691,527



Reported Releases and Waste Management Activities (pounds)

On-site Releases 11,637,903  
Air Emissions 11,539,397  
Surface Water Discharges 46,533  
Underground Injection 0  
Releases to Land 51,973  
On-site Waste Management 80,979,204  
Recycling 26,131,288  
Energy Recovery 10,234,202  
Treatment 44,613,714  
Off-site Transfers for Further Waste Management 41,594,756  
Recycling 23,304,629  
Energy Recovery 7,924,901  
Treatment 4,341,388  
Publicly Owned Treatment Works (POTWs) 4,729,882  
Disposal 1,241,351  
Other Off-site Transfers 52,605

Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	3,148,379	5	0	5,242	3,153,626
Methyl ethyl ketone	1,189,952	3	0	0	1,189,955
Trichloroethylene	1,050,126	7	0	0	1,050,133
Dichloromethane	891,817	0	0	0	891,817
Acetone	842,025	22	0	0	842,047

Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	3,148,379	5	5,242	3,153,626
Methyl ethyl ketone	1,189,952	3	0	1,189,955
Trichloroethylene	1,050,126	7	0	1,050,133
Dichloromethane	891,817	0	0	891,817
Acetone	842,025	22	0	842,047



1993 TOXICS RELEASE INVENTORY

# MASSACHUSETTS

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Rexham Graphics Inc.	South Hadley, Hampshire	810,356	0	0	0	810,356
Archer Rubber Co.	Milford, Worcester	502,157	0	0	0	502,157
Crown Cork & Seal Co. Inc.	Lawrence, Essex	344,173	0	0	0	344,173
Plymouth Rubber Co. Inc.	Canton, Norfolk	341,000	0	0	0	341,000
Polaroid Corp.	Waltham, Middlesex	340,591	20	0	0	340,611
Ideal Tape Co.	Lowell, Middlesex	332,279	0	0	0	332,279
Fredjohn Corp.	Peabody, Essex	316,179	0	0	0	316,179
Aerovox Inc.	New Bedford, Bristol	231,170	250	0	0	231,420
Globe Mfg. Co.	Fall River, Bristol	229,144	1,535	0	0	230,679
Van Leer Metallized Products	Framingham, Middlesex	220,160	0	0	0	220,160

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Rexham Graphics Inc.	South Hadley, Hampshire	810,356	0	0	810,356
Archer Rubber Co.	Milford, Worcester	502,157	0	0	502,157
Crown Cork & Seal Co. Inc.	Lawrence, Essex	344,173	0	0	344,173
Plymouth Rubber Co. Inc.	Canton, Norfolk	341,000	0	0	341,000
Polaroid Corp.	Waltham, Middlesex	340,591	20	0	340,611
Ideal Tape Co.	Lowell, Middlesex	332,279	0	0	332,279
Fredjohn Corp.	Peabody, Essex	316,179	0	0	316,179
Aerovox Inc.	New Bedford, Bristol	231,170	250	0	231,420
Globe Manufacturing Co.	Fall River, Bristol	229,144	1,535	0	230,679
Van Leer Metallized Products	Framingham, Middlesex	220,160	0	0	220,160

## For More Information...

**State Contact:**  
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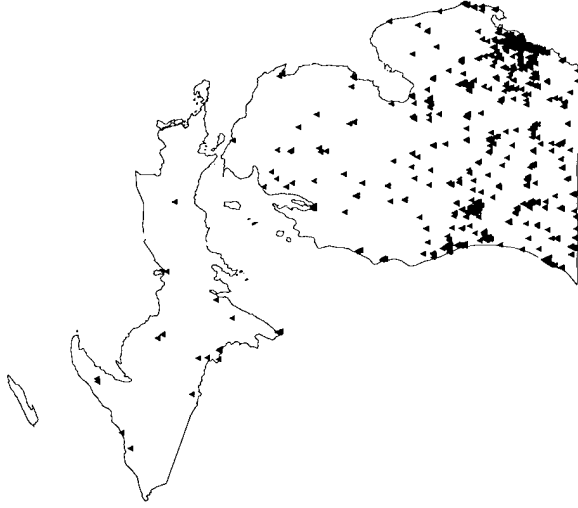
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## 1993 TOXICS RELEASE INVENTORY

# MICHIGAN



Population	9,478,000
Total Facilities	970
Total Forms	3,759
National Rank for Total Releases	11
National Rank for Air/Water/Land Releases	10
Transfers into State	
Rank	8
Pounds	87,528,765
Transfers Out of State	
Rank	9
Pounds	92,807,860

### Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>	
Air Emissions	81,998,546
Surface Water Discharges	67,861,464
Underground Injection Releases to Land	331,065
	4,674,279
	9,131,738
<b>On-site Waste Management</b>	
Recycling	573,200,972
Energy Recovery	180,197,640
Treatment	53,475,322
	339,528,010
<b>Off-site Transfers for Further Waste Management</b>	
Recycling	294,778,124
Energy Recovery	168,278,116
Treatment	70,479,924
Publicly Owned Treatment Works (POTWs)	16,704,543
Disposal	7,834,646
Other Off-site Transfers	31,343,649
	137,246

### Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	11,640,506	561	200,620	80,516	11,922,203
Xylene (mixed isomers)	10,696,809	54	0	28,780	10,725,643
Copper compounds	5,305,908	1,056	0	3,700,348	9,007,312
Acetone	5,557,967	797	1,010,000	318,329	6,887,093
Methanol	3,156,614	8,020	2,500,000	230,597	5,895,231

### Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	11,640,506	561	80,516	11,721,583
Xylene (mixed isomers)	10,696,809	54	28,780	10,725,643
Copper compounds	5,305,908	1,056	3,700,348	9,007,312
Acetone	5,557,967	797	318,329	5,877,093
Methyl isobutyl ketone	3,598,480	10	58,741	3,657,231



# 1993 TOXICS RELEASE INVENTORY

# MICHIGAN

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
General Motors Corp.	Saginaw	324,173	0	0	4,172,015	4,496,188
American Tape Co.	Marysville, St Clair	4,462,227	0	0	0	4,462,227
Warner-Lambert Co.	Holland, Ottawa	97,608	0	3,396,043	0	3,493,651
Autoalliance International Inc	Flat Rock, Wayne	3,007,994	1,122	0	0	3,009,116
Upjohn Co.	Portage, Kalamazoo	2,086,965	3,310	776,455	0	2,866,730
Ford Motor Co.	Wayne, Wayne	1,733,637	0	0	0	1,733,637
General Motors Corp. Cadillac	Detroit, Wayne	1,633,125	0	0	0	1,633,125
General Motors Corp.	Pontiac, Oakland	1,523,625	0	0	0	1,523,625
Steelcase Inc.	Grand Rapids, Kent	1,321,283	0	0	0	1,321,283
General Motors Corp.	Lansing, Ingham	1,308,460	3	0	0	1,308,463

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
General Motors Corp.	Saginaw	324,173	0	4,172,015	4,496,188
American Tape Co.	Marysville, St Clair	4,462,227	0	0	4,462,227
Autoalliance International Inc	Flat Rock, Wayne	3,007,994	1,122	0	3,009,116
Upjohn Co.	Portage, Kalamazoo	2,086,965	3,310	0	2,090,275
Ford Motor Co.	Wayne, Wayne	1,733,637	0	0	1,733,637
General Motors Corp. Cadillac	Detroit, Wayne	1,633,125	0	0	1,633,125
General Motors Corp.	Pontiac, Oakland	1,523,625	0	0	1,523,625
Steelcase Inc.	Grand Rapids, Kent	1,321,283	0	0	1,321,283
General Motors Corp.	Lansing, Ingham	1,308,460	3	0	1,308,463
Ford Motor Co.	Wixom, Oakland	1,191,665	0	0	1,191,665

## For More Information...

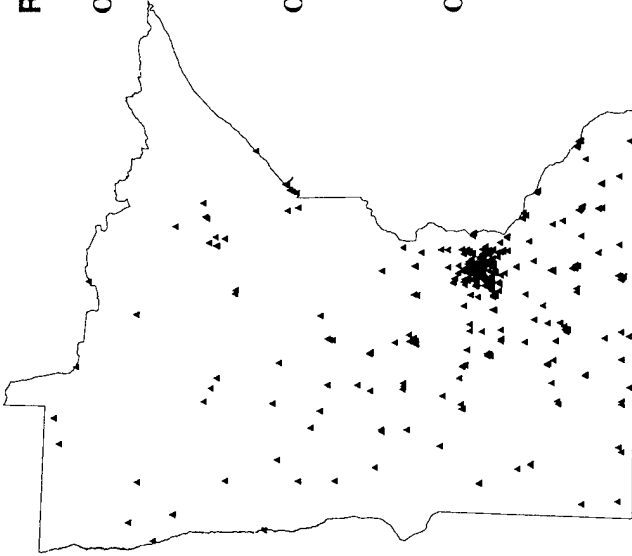
**State Contact:** Richard Jackson  
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 Fax (517) 335-3624  
**EPA Regional Contact:** Thelma Codina  
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 Fax (312) 353-4342  
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Copper Range Co. in White Pine was the largest releasing Michigan facility for both total and air/water/land releases reporting to TRI in 1993 with 3,784,000 pounds of releases. However, the facility is not included in the top ten list because it indicated that it is not a covered facility (currently, only manufacturing facilities are required to report under EPCRA section 313).



1993 TOXICS RELEASE INVENTORY

MINNESOTA



Population	4,517,000
Total Facilities	523
Total Forms	1,513
National Rank for Total Releases	27
National Rank for Air/Water/Land Releases	26
Transfers into State	
Rank	30
Pounds	9,483,329
Transfers Out of State	
Rank	34
Pounds	15,564,500

Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>		
Air Emissions		24,980,209
Surface Water Discharges		22,339,025
Underground Injection Releases to Land		450,851
		48
		2,190,285
<b>On-site Waste Management</b>		
Recycling		181,674,222
Energy Recovery		107,378,603
Treatment		13,388,944
		60,906,675
<b>Off-site Transfers for Further Waste Management</b>		
Recycling		31,428,244
Energy Recovery		17,480,487
Treatment		5,386,483
Publicly Owned Treatment Works (POTWs)		2,127,610
Disposal		5,852,931
Other Off-site Transfers		580,733
		0

Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges		Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
		Pounds	Pounds			
Toluene	3,885,900	163	0	0	0	3,886,063
Xylene (mixed isomers)	3,092,044	100	0	0	250	3,092,394
Methyl ethyl ketone	2,658,047	18	0	0	0	2,658,065
Methanol	1,615,312	18,014	0	0	2,100	1,635,426
Ammonia	842,591	388,898	0	0	210,356	1,441,845

Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges		Releases to Land Pounds	Total Releases Pounds
		Pounds	Pounds		
Toluene	3,885,900	163	0	0	3,886,063
Xylene (mixed isomers)	3,092,044	100	250	0	3,092,394
Methyl ethyl ketone	2,658,047	18	0	0	2,658,065
Methanol	1,615,312	18,014	2,100	0	1,635,426
Ammonia	842,591	388,898	210,356	0	1,441,845



# 1993 TOXICS RELEASE INVENTORY

# MINNESOTA

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
3M Co.	Hutchinson, Mc Leod	3,064,242	0	0	0	3,064,242
North Star Recycling	Saint Paul, Ramsey	0	0	0	1,955,000	1,955,000
Koch Refining Co.	Rosemount, Dakota	1,378,138	17,474	0	0	1,395,612
3M Co.	Cottage Grove, Washington	618,300	276,067	0	0	894,367
Ford Motor Co.	Saint Paul, Ramsey	817,642	0	0	0	817,642
Andersen Corp.	Bayport, Washington	617,423	0	0	0	617,423
3M Co.	Saint Paul, Ramsey	612,796	0	0	0	612,796
ICI Composites Inc.	Winona, Winona	596,930	0	0	0	596,930
Potlatch Corp.	Cloquet, Carlton	509,468	0	0	0	509,468
Crystal Cabinet Works Inc.	Princeton, Mille Lacs	476,724	0	0	0	476,724

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
3M Co.	Hutchinson, Mc Leod	3,064,242	0	0	3,064,242
North Star Recycling	Saint Paul, Ramsey	0	0	1,955,000	1,955,000
Koch Refining Co.	Rosemount, Dakota	1,378,138	17,474	0	1,395,612
3M Co.	Cottage Grove, Washington	618,300	276,067	0	894,367
Ford Motor Co.	Saint Paul, Ramsey	817,642	0	0	817,642
Andersen Corp.	Bayport, Washington	617,423	0	0	617,423
3M Co.	Saint Paul, Ramsey	612,796	0	0	612,796
ICI Composites Inc.	Winona, Winona	596,930	0	0	596,930
Potlatch Corp.	Cloquet, Carlton	509,468	0	0	509,468
Crystal Cabinet Works Inc.	Princeton, Mille Lacs	476,724	0	0	476,724

## For More Information...

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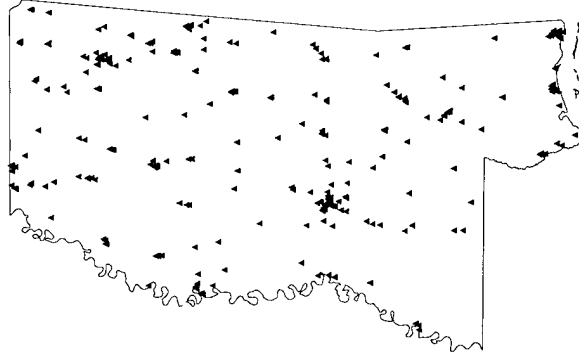




1993 TOXICS RELEASE INVENTORY

# MISSISSIPPI

Population	2,643,000
Total Facilities	330
Total Forms	1,128
National Rank for Total Releases	5
National Rank for Air/Water/Land Releases	14
Transfers into State	
Rank	42
Pounds	1,061,925
Transfers Out of State	
Rank	1
Pounds	260,543,990



## Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>		
Air Emissions		118,019,466
Surface Water Discharges		48,213,352
Underground Injection Releases to Land		1,776,442
		62,573,996
		5,455,676
<b>On-site Waste Management</b>		
Recycling		4,254,485,989
Energy Recovery		4,056,877,520
Treatment		28,395,095
		169,213,374
<b>Off-site Transfers for Further Waste Management</b>		
Recycling		265,983,154
Energy Recovery		258,115,284
Treatment		3,905,138
Publicly Owned Treatment Works (POTWs)		1,606,017
Disposal		927,638
Other Off-site Transfers		1,424,877
		4,200

## Top Five Chemicals for Total Releases

Chemical	Air Emissions		Surface Water Discharges		Underground Injection		Releases to Land		Total Releases
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	
Hydrochloric acid	1,609,150		0	56,000,000		64			57,609,214
Ammonia	6,602,615		629,553		0	861,910			8,094,078
Methanol	6,609,715		253,015		0	6,891			6,869,621
Sulfuric acid	170,543		392	6,521,124		22,428			6,714,487
Toluene	6,648,923		2,338	2,755		18,390			6,672,406

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions		Surface Water Discharges		Releases to Land		Total Releases
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	
Ammonia	6,602,615		629,553		861,910		8,094,078
Methanol	6,609,715		253,015		6,891		6,869,621
Toluene	6,648,923		2,338		18,390		6,669,651
Dichloromethane	5,489,071		82		0		5,489,153
Methyl ethyl ketone	4,493,096		6,213		7,353		4,506,662



# 1993 TOXICS RELEASE INVENTORY

# MISSISSIPPI

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Du Pont Delisle	Pass Christian, Harrison	2,875,670	0	56,000,000	64	58,875,734
Engelhard Corp.	Jackson, Hinds	6,912	0	6,521,124	0	6,528,036
Kerr-Mcgee Chemical Corp.	Hamilton, Monroe	198,955	34,800	0	5,212,800	5,446,555
Mississippi Chemical Corp.	Yazoo City, Yazoo	4,647,652	710,943	0	0	5,358,595
Gencorp Polymer Products	Columbus, Lowndes	3,601,932	4	0	0	3,601,936
Ringier America Inc.	Corinth, Alcorn	2,734,080	0	0	0	2,734,080
Georgia-Pacific Corp.	Monticello, Lawrence	2,431,900	191,910	0	29,000	2,652,810
International Paper	Natchez, Adams	2,226,710	23,621	0	4,419	2,254,750
Chevron Products Co.	Pascagoula, Jackson	1,641,982	277,170	0	3,305	1,922,457
Heatecraft Inc.	Grenada, Grenada	1,430,759	0	0	0	1,430,759

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Kerr-Mcgee Chemical Corp.	Hamilton, Monroe	198,955	34,800	5,212,800	5,446,555
Mississippi Chemical Corp.	Yazoo City, Yazoo	4,647,652	710,943	0	5,358,595
Gencorp Polymer Products	Columbus, Lowndes	3,601,932	4	0	3,601,936
Du Pont Delisle	Pass Christian, Harrison	2,875,670	0	64	2,875,734
Ringier America Inc.	Corinth, Alcorn	2,734,080	0	0	2,734,080
Georgia-Pacific Corp.	Monticello, Lawrence	2,431,900	191,910	29,000	2,652,810
International Paper	Natchez, Adams	2,226,710	23,621	4,419	2,254,750
Chevron Products Co.	Pascagoula, Jackson	1,641,982	277,170	3,305	1,922,457
Heatecraft Inc.	Grenada, Grenada	1,430,759	0	0	1,430,759
International Paper	Redwood, Warren	1,260,150	93,350	0	1,353,500

## For More Information. . .

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Fax (404) 347-1681

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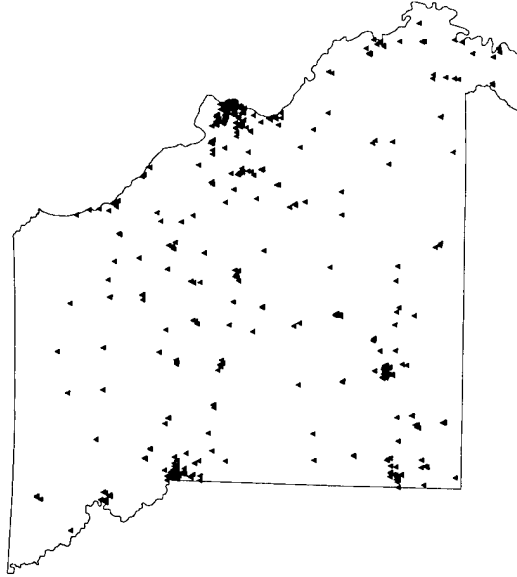


## 1993 TOXICS RELEASE INVENTORY

# MISSOURI

### Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>	
Air Emissions	49,608,818
Surface Water Discharges	32,687,733
Underground Injection	1,440,396
Releases to Land	0
	15,480,689
<b>On-site Waste Management</b>	
Recycling	494,660,758
Energy Recovery	161,724,971
Treatment	229,861,700
	103,074,087
<b>Off-site Transfers for Further Waste Management</b>	
Recycling	99,067,531
Energy Recovery	47,477,206
Treatment	8,295,626
Publicly Owned Treatment Works (POTWs)	18,062,200
Disposal	21,901,305
Other Off-site Transfers	3,326,039
	5,155



Population	5,234,000
Total Facilities	590
Total Forms	1,979
National Rank for Total Releases	18
National Rank for Air/Water/Land Releases	18
Transfers into State	12
Rank	62,278,338
Pounds	16
Transfers Out of State	51,362,138
Rank	
Pounds	

### Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Zinc compounds	198,569	718	0	5,860,737	6,060,024
Xylene (mixed isomers)	5,389,678	0	0	1,089	5,390,767
Toluene	4,316,920	390	0	2,559	4,319,869
Zinc (fume or dust)	10,933	46	0	4,013,850	4,024,829
Methyl ethyl ketone	2,968,387	550	0	4,939	2,973,876

### Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Zinc compounds	198,569	718	5,860,737	6,060,024
Xylene (mixed isomers)	5,389,678	0	1,089	5,390,767
Toluene	4,316,920	390	2,559	4,319,869
Zinc (fume or dust)	10,933	46	4,013,850	4,024,829
Methyl ethyl ketone	2,968,387	550	4,939	2,973,876



# 1993 TOXICS RELEASE INVENTORY

# MISSOURI

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Doe Run Co.	Herculaneum, Jefferson	258,309	3,063	0	7,932,956	8,194,328
Asarco Inc.	Annapolis, Iron	218,170	86	0	6,867,046	7,085,302
Ford Motor Co.	Claycomo, Clay	2,689,968	0	0	0	2,689,968
Hercules Missouri Chemical Works	Louisiana, Pike	2,016,240	1,202	0	0	2,017,442
Ford Motor Co.	Hazelwood, St Louis	1,820,840	0	0	0	1,820,840
Sunbeam Outdoor Products	Neosho, Newton	1,126,951	0	0	0	1,126,951
Dyno Nobel Inc.	Louisiana, Pike	533,600	570,220	0	0	1,103,820
Chrysler Motors Corp.	Fenton, St Louis	1,033,910	0	0	0	1,033,910
General Motors Corp.	Wentzville, St Charles	871,844	0	0	0	871,844
Plastene Supply Co.	Portageville, New Madrid	706,697	1,588	0	0	708,285

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Doe Run Co.	Herculaneum, Jefferson	258,309	3,063	7,932,956	8,194,328
Asarco Inc.	Annapolis, Iron	218,170	86	6,867,046	7,085,302
Ford Motor Co.	Claycomo, Clay	2,689,968	0	0	2,689,968
Hercules Missouri Chemical Works	Louisiana, Pike	2,016,240	1,202	0	2,017,442
Ford Motor Co.	Hazelwood, St Louis	1,820,840	0	0	1,820,840
Sunbeam Outdoor Products	Neosho, Newton	1,126,951	0	0	1,126,951
Dyno Nobel Inc.	Louisiana, Pike	533,600	570,220	0	1,103,820
Chrysler Motors Corp.	Fenton, St Louis	1,033,910	0	0	1,033,910
General Motors Corp.	Wentzville, St Charles	871,844	0	0	871,844
Plastene Supply Co.	Portageville, New Madrid	706,697	1,588	0	708,285

## For More Information...

**State Contact:**  
(314) 526-6627  
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(913) 551-7020

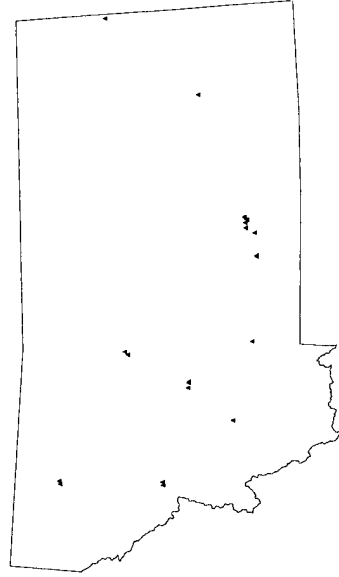
**Jim Penfold**  
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# 1993 TOXICS RELEASE INVENTORY

# MONTANA



Population	839,000
Total Facilities	23
Total Forms	142
National Rank for Total Releases	20
National Rank for Air/Water/Land Releases	20
Transfers into State	
Rank	33
Pounds	5,525,424
Transfers Out of State	
Rank	43
Pounds	2,068,825

## Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>	
Air Emissions	45,212,291
Surface Water Discharges	2,395,245
Underground Injection Releases to Land	182,387
	0
42,634,659	
<b>On-site Waste Management</b>	
Recycling	76,648,942
Energy Recovery	38,598,872
Treatment	6,209,700
	31,840,370
<b>Off-site Transfers for Further Waste Management</b>	
Recycling	2,111,960
Energy Recovery	1,941,469
Treatment	73,110
Publicly Owned Treatment Works (POTWs)	10,785
Disposal	27,822
Other Off-site Transfers	58,774
	0

## Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Zinc compounds	46,008	36	0	33,691,898	33,737,942
Lead compounds	33,286	9	0	4,060,241	4,093,536
Manganese compounds	1,107	0	0	2,400,643	2,401,750
Copper compounds	14,251	0	0	1,150,268	1,164,519
Antimony compounds	1,131	0	0	652,380	653,511

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Zinc compounds	46,008	36	33,691,898	33,737,942
Lead compounds	33,286	9	4,060,241	4,093,536
Manganese compounds	1,107	0	2,400,643	2,401,750
Copper compounds	14,251	0	1,150,268	1,164,519
Antimony compounds	1,131	0	652,380	653,511



# 1993 TOXICS RELEASE INVENTORY

# MONTANA

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Asarco Inc.	East Helena, Lewis and Clark	117,215	0	0	42,611,283	42,728,498
Stone Container Corp.	Missoula, Missoula	891,104	69,850	0	0	960,954
Exxon Billings Refinery	Billings, Yellowstone	243,320	74,121	0	1,241	318,682
Cenex Refinery	Laurel, Yellowstone	216,020	3,880	0	525	220,425
Columbia Falls Aluminum Co.	Columbia Falls, Flathead	214,899	500	0	0	215,399
Holly Sugar Corp.	Sidney, Richland	167,500	0	0	3,000	170,500
Conoco Billings Refinery	Billings, Yellowstone	95,505	34,036	0	0	129,541
Plum Creek Mfg. L.P.	Columbia Falls, Flathead	101,100	0	0	250	101,350
Rhone-Poulenc Basic Chemicals	Silver Bow, Silver Bow	94,478	0	0	0	94,478
Louisiana-Pacific Corp.	Missoula, Missoula	91,208	0	0	0	91,208

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Asarco Inc.	East Helena, Lewis and Clark	117,215	0	42,611,283	42,728,498
Stone Container Corp.	Missoula, Missoula	891,104	69,850	0	960,954
Exxon Billings Refinery	Billings, Yellowstone	243,320	74,121	1,241	318,682
Cenex Refinery	Laurel, Yellowstone	216,020	3,880	525	220,425
Columbia Falls Aluminum Co.	Columbia Falls, Flathead	214,899	500	0	215,399
Holly Sugar Corp.	Sidney, Richland	167,500	0	3,000	170,500
Conoco Billings Refinery	Billings, Yellowstone	95,505	34,036	0	129,541
Plum Creek Mfg. L.P.	Columbia Falls, Flathead	101,100	0	250	101,350
Rhone-Poulenc Basic Chemicals	Silver Bow, Silver Bow	94,478	0	0	94,478
Louisiana-Pacific Corp.	Missoula, Missoula	91,208	0	0	91,208

## For More Information. . .

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call TRI User Support Service (TRI-US):  
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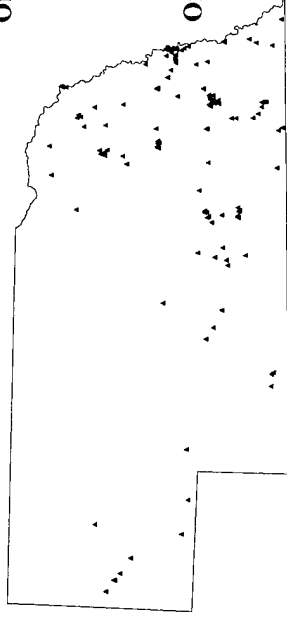


1993 TOXICS RELEASE INVENTORY

NEBRASKA

Reported Releases and Waste Management Activities (pounds)

Population	1,607,000	On-site Releases	11,456,786
Total Facilities	172	Air Emissions	10,811,341
Total Forms	526	Surface Water Discharges	339,827
National Rank for Total Releases	40	Underground Injection Releases to Land	0
National Rank for Air/Water/Land Releases	39	On-site Waste Management	305,618
Transfers into State		Recycling	112,810,377
Rank	39	Energy Recovery	91,742,615
Pounds	2,230,145	Treatment	3,086,329
Transfers Out of State		Off-site Transfers for Further Waste Management	17,981,433
Rank	33	Recycling	38,649,528
Pounds	16,015,939	Energy Recovery	21,329,393
		Treatment	787,282
		Publicly Owned Treatment Works (POTWs)	2,595,999
		Disposal	1,248,693
		Other Off-site Transfers	12,687,901
			260



Top Five Chemicals for Total Releases

Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	4,726,593	2,034	0	0	4,728,627
Ammonia	1,288,281	227,243	0	42,928	1,558,452
Xylene (mixed isomers)	1,186,194	5	0	0	1,186,199
Methyl ethyl ketone	673,979	10	0	0	673,989
Trichloroethylene	442,996	0	0	0	442,996

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	4,726,593	2,034	0	4,728,627
Ammonia	1,288,281	227,243	42,928	1,558,452
Xylene (mixed isomers)	1,186,194	5	0	1,186,199
Methyl ethyl ketone	673,979	10	0	673,989
Trichloroethylene	442,996	0	0	442,996



## 1993 TOXICS RELEASE INVENTORY

# NEBRASKA

### Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Goodyear Tire & Rubber Co.	Lincoln, Lancaster	2,899,954	2,024	0	0	2,901,978
Nashua Corp.	Omaha, Douglas	1,291,500	0	0	0	1,291,500
Arcadian Fertilizer L.P.	Laplatte, Sarpy	494,096	1,250	0	403	495,749
Farmland Industries Inc.	Beatrice, Gage	408,660	48,800	0	0	457,460
Lackawanna Leather Co.	Omaha, Douglas	382,096	0	0	0	382,096
Anacomp Magnetics	Omaha, Douglas	301,000	0	0	58,000	359,000
Smithkline Beecham	Lincoln, Lancaster	295,850	0	0	0	295,850
Crown Beverage Packaging Inc.	Omaha, Douglas	286,300	0	0	0	286,300
Reinke Manufacturing Co. Inc.	Deshler, Thayer	265,444	0	0	285	265,729
Cominco Fertilizers U.S. Inc.	Beatrice, Gage	170,455	72,270	0	5	242,730

### Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Goodyear Tire & Rubber Co.	Lincoln, Lancaster	2,899,954	2,024	0	2,901,978
Nashua Corp.	Omaha, Douglas	1,291,500	0	0	1,291,500
Arcadian Fertilizer L.P.	Laplatte, Sarpy	494,096	1,250	403	495,749
Farmland Industries Inc.	Beatrice, Gage	408,660	48,800	0	457,460
Lackawanna Leather Co.	Omaha, Douglas	382,096	0	0	382,096
Anacomp Magnetics	Omaha, Douglas	301,000	0	58,000	359,000
Smithkline Beecham	Lincoln, Lancaster	295,850	0	0	295,850
Crown Beverage Packaging Inc.	Omaha, Douglas	286,300	0	0	286,300
Reinke Manufacturing Co. Inc.	Deshler, Thayer	265,444	0	285	265,729
Cominco Fertilizers U.S. Inc.	Beatrice, Gage	170,455	72,270	5	242,730

### For More Information. . .

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**John Steinauer**  
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**Jim Hirtz**  
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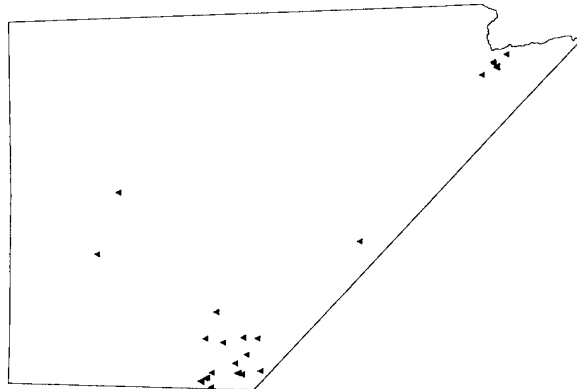
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1993 TOXICS RELEASE INVENTORY

NEVADA



Population	1,389,000
Total Facilities	39
Total Forms	97
National Rank for Total Releases	41
National Rank for Air/Water/Land Releases	40
Transfers into State	
Rank	40
Pounds	1,294,847
Transfers Out of State	
Rank	44
Pounds	698,186

Reported Releases and Waste Management Activities (pounds)

On-site Releases	8,713,850
Air Emissions	1,052,163
Surface Water Discharges	0
Underground Injection	0
Releases to Land	7,661,687
On-site Waste Management	16,838,559
Recycling	5,257,550
Energy Recovery	0
Treatment	11,581,009
Off-site Transfers for Further Waste Management	779,723
Recycling	682,744
Energy Recovery	4,579
Treatment	17,379
Publicly Owned Treatment Works (POTWs)	7,279
Disposal	67,742
Other Off-site Transfers	0

Top Five Chemicals for Total Releases

Chemical	Surface		Under-ground		Total Releases Pounds
	Air Emissions Pounds	Water Discharges Pounds	Injection Pounds	Releases to Land Pounds	
Ammonium nitrate (solution)	125,839	0	0	4,686,582	4,812,421
Manganese compounds	37,729	0	0	2,272,100	2,309,829
Ammonia	235,918	0	0	548,504	784,422
Toluene	275,241	0	0	0	275,241
Manganese	3,719	0	0	105,752	109,471

Top Five Chemicals for Air/Water/Land Releases

Chemical	Surface		Total Releases Pounds
	Air Emissions Pounds	Water Discharges to Land Pounds	
Ammonium nitrate (solution)	125,839	0	4,812,421
Manganese compounds	37,729	0	2,309,829
Ammonia	235,918	0	784,422
Toluene	275,241	0	275,241
Manganese	3,719	0	109,471



# 1993 TOXICS RELEASE INVENTORY

# NEVADA

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Coastal Chem Inc.	Battle Mountain, Lander	341,332	0	0	5,235,336	5,576,668
Kerr-Mcgee Chemical Corp.	Henderson, Clark	59,848	0	0	2,273,327	2,333,175
R. R. Donnelley & Sons Co.	Reno, Washoe	226,402	0	0	0	226,402
Titanium Metals Corp.	Henderson, Clark	83,755	0	0	38,400	122,155
Kennametal Inc.	Fallon, Churchill	4,234	0	0	114,072	118,306
Carsonite International Corp.	Carson City, Carson City	84,455	0	0	0	84,455
O'Sullivan Plastics Corp.	Yerington, Lyon	45,016	0	0	0	45,016
Sun Chemical Corp.	Reno, Washoe	38,650	0	0	0	38,650
Capital Cabinet Corp.	North Las Vegas, Clark	37,379	0	0	0	37,379
H. C. Industries Inc.	Fernley, Lyon	26,426	0	0	0	26,426

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Coastal Chem Inc.	Battle Mountain, Lander	341,332	0	5,235,336	5,576,668
Kerr-Mcgee Chemical Corp.	Henderson, Clark	59,848	0	2,273,327	2,333,175
R. R. Donnelley & Sons Co.	Reno, Washoe	226,402	0	0	226,402
Titanium Metals Corp.	Henderson, Clark	83,755	0	38,400	122,155
Kennametal Inc.	Fallon, Churchill	4,234	0	114,072	118,306
Carsonite International Corp.	Carson City, Carson City	84,455	0	0	84,455
O'Sullivan Plastics Corp.	Yerington, Lyon	45,016	0	0	45,016
Sun Chemical Corp.	Reno, Washoe	38,650	0	0	38,650
Capital Cabinet Corp.	North Las Vegas, Clark	37,379	0	0	37,379
H. C. Industries Inc.	Fernley, Lyon	26,426	0	0	26,426

## For More Information...

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Pam Tsai  
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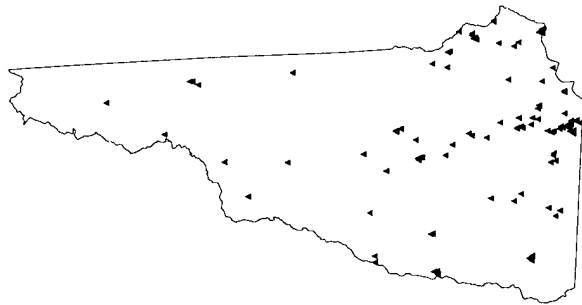
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1993 TOXICS RELEASE INVENTORY

# NEW HAMPSHIRE

Population 1,125,000  
Total Facilities 126  
Total Forms 343  
National Rank for Total Releases 46  
National Rank for Air/Water/Land Releases 45  
Transfers into State Rank 46  
Pounds 215,605  
Transfers Out of State Rank 40  
Pounds 6,945,011



## Reported Releases and Waste Management Activities (pounds)

**On-site Releases**  
Air Emissions 4,004,358  
Surface Water Discharges 3,926,805  
Underground Injection 66,329  
Releases to Land 0  
11,224

**On-site Waste Management**  
Recycling 38,381,982  
Energy Recovery 20,824,046  
Treatment 1,168,673  
16,389,263

**Off-site Transfers for Further Waste Management**  
Recycling 8,746,221  
Energy Recovery 7,117,233  
Treatment 310,431  
Publicly Owned Treatment Works (POTWs) 415,357  
Disposal 445,404  
Other Off-site Transfers 457,796  
0

## Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	523,189	0	0	0	523,189
Methanol	493,942	11,835	0	1,696	507,473
Methyl ethyl ketone	480,109	58	0	3	480,170
Sulfuric acid	365,897	0	0	2,910	368,807
1,1,1-Trichloroethane	271,811	0	0	0	271,811

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	523,189	0	0	523,189
Methanol	493,942	11,835	1,696	507,473
Methyl ethyl ketone	480,109	58	3	480,170
Sulfuric acid	365,897	0	2,910	368,807
1,1,1-Trichloroethane	271,811	0	0	271,811



## 1993 TOXICS RELEASE INVENTORY

# NEW HAMPSHIRE

### Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
James River U.S. Holdings Inc.	Berlin, Coos	813,512	14,731	0	4,665	832,908
Nashua Corp.	Merrimack, Hillsborough	293,809	0	0	0	293,809
Bailey Manufacturing Corp.	Seabrook, Rockingham	206,680	0	0	0	206,680
James River Paper Co. Inc.	Gorham, Coos	192,265	0	0	0	192,265
Essex Group Inc.	Newmarket, Rockingham	191,722	0	0	0	191,722
Freudenberg-Nok General	Bristol, Grafton	122,265	0	0	0	122,265
General Electric Co.	Somersworth, Strafford	119,308	0	0	0	119,308
Hadco Corp.	Derry, Rockingham	95,884	307	0	0	96,191
Simplex Techs. Inc.	Newington, Rockingham	93,000	0	0	0	93,000
Batesville Casket Co. Inc.	Nashua, Hillsborough	85,000	0	0	0	85,000

### Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
James River U.S. Holdings Inc.	Berlin, Coos	813,512	14,731	4,665	832,908
Nashua Corp.	Merrimack, Hillsborough	293,809	0	0	293,809
Bailey Manufacturing Corp.	Seabrook, Rockingham	206,680	0	0	206,680
James River Paper Co. Inc.	Gorham, Coos	192,265	0	0	192,265
Essex Group Inc.	Newmarket, Rockingham	191,722	0	0	191,722
Freudenberg-Nok General	Bristol, Grafton	122,265	0	0	122,265
General Electric Co.	Somersworth, Strafford	119,308	0	0	119,308
Hadco Corp.	Derry, Rockingham	95,884	307	0	96,191
Simplex Techs. Inc.	Newington, Rockingham	93,000	0	0	93,000
Batesville Casket Co. Inc.	Nashua, Hillsborough	85,000	0	0	85,000

### For More Information. . .

**State Contact:**  
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**EPA Regional Contact:**  
(617) 565-4502

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Fax (603) 225-7341

Dwight Peavey  
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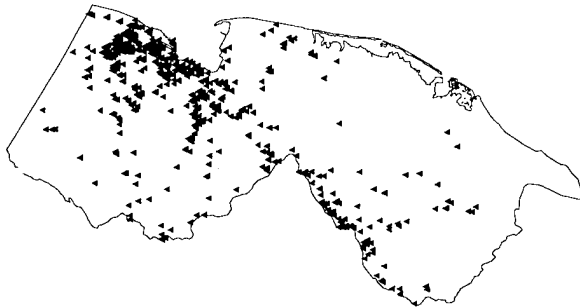
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1993 TOXICS RELEASE INVENTORY

# NEW JERSEY



Population	7,879,000
Total Facilities	700
Total Forms	2,575
National Rank for Total Releases	32
National Rank for Air/Water/Land Releases	32
Transfers into State	
Rank	11
Pounds	64,951,840
Transfers Out of State	
Rank	7
Pounds	99,892,154

## Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>	
Air Emissions	19,372,889
Surface Water Discharges	15,438,767
Underground Injection	3,296,633
Releases to Land	0
<b>On-site Waste Management</b>	637,489
Recycling	345,488,896
Energy Recovery	80,113,034
Treatment	18,265,525
	247,110,337
<b>Off-site Transfers for Further Waste Management</b>	181,031,534
Recycling	99,562,436
Energy Recovery	28,241,990
Treatment	10,416,001
Publicly Owned Treatment Works (POTWs)	38,828,620
Disposal	3,887,380
Other Off-site Transfers	95,107

## Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	1,121,080	1,758,075	0	0	2,879,155
Toluene	2,054,949	9,082	0	1,514	2,065,545
Acetone	1,639,769	517	0	0	1,640,286
Xylene (mixed isomers)	1,275,008	10,022	0	6	1,285,036
Methanol	1,064,290	7,772	0	0	1,072,062

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	1,121,080	1,758,075	0	2,879,155
Toluene	2,054,949	9,082	1,514	2,065,545
Acetone	1,639,769	517	0	1,640,286
Xylene (mixed isomers)	1,275,008	10,022	6	1,285,036
Methanol	1,064,290	7,772	0	1,072,062



# 1993 TOXICS RELEASE INVENTORY

# NEW JERSEY

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Du Pont	Deepwater, Salem	476,722	2,669,278	0	207,074	3,353,074
Ford Motor Co.	Edison, Middlesex	624,239	0	0	0	624,239
PMC Inc.	Kearny, Hudson	547,780	125	0	0	547,905
Exxon Bayway Chemical Plant	Linden, Union	489,129	23,502	0	0	512,631
Rona	Bayonne, Hudson	11,566	432,000	0	0	443,566
Du Pont Repauno Plant	Gibbstown, Gloucester	396,990	7,026	0	0	404,016
Permcel	North Brunswick, Middlesex	395,207	0	0	0	395,207
U.S. Pipe & Foundry Co.	Burlington, Burlington	89,569	0	0	286,652	376,221
Dri-Print Foils Inc.	Rahway, Union	347,073	0	0	0	347,073
Peerless Tube Co.	Bloomfield, Essex	343,692	0	0	0	343,692

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Du Pont	Deepwater, Salem	476,722	2,669,278	207,074	3,353,074
Ford Motor Co.	Edison, Middlesex	624,239	0	0	624,239
PMC Inc.	Kearny, Hudson	547,780	125	0	547,905
Exxon Bayway Chemical Plant	Linden, Union	489,129	23,502	0	512,631
Rona	Bayonne, Hudson	11,566	432,000	0	443,566
Du Pont Repauno Plant	Gibbstown, Gloucester	396,990	7,026	0	404,016
Permcel	North Brunswick, Middlesex	395,207	0	0	395,207
U.S. Pipe & Foundry Co.	Burlington, Burlington	89,569	0	286,652	376,221
Dri-Print Foils Inc.	Rahway, Union	347,073	0	0	347,073
Peerless Tube Co.	Bloomfield, Essex	343,692	0	0	343,692

## For More Information. . .

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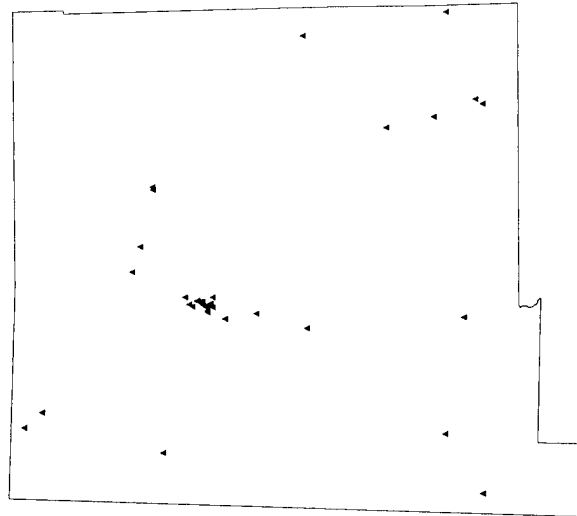
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Hercules, Inc. in Kenvil (Morris County) was the top-ranked facility for total releases and for air/water/land releases in 1992. However, it does not appear in these tables this year because its reporting forms were not received by EPA prior to publication of this report. According to the facility, its 1993 releases totalled 944,986 pounds (fugitive and stack air).



## 1993 TOXICS RELEASE INVENTORY

# NEW MEXICO



Population	1,616,000
Total Facilities	41
Total Forms	140
National Rank for Total Releases	29
National Rank for Air/Water/Land Releases	28
Transfers into State	
Rank	48
Pounds	38,874
Transfers Out of State	
Rank	46
Pounds	605,877

### Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>	
Air Emissions	23,830,114
Surface Water Discharges	1,836,130
Underground Injection	14,254
Releases to Land	0
	21,979,730
<b>On-site Waste Management</b>	
Recycling	45,797,553
Energy Recovery	190,599
Treatment	36,632,683
	8,974,271
<b>Off-site Transfers for Further Waste Management</b>	
Recycling	1,008,848
Energy Recovery	390,388
Treatment	170,931
Publicly Owned Treatment Works (POTWs)	79,609
Disposal	334,316
Other Off-site Transfers	33,604
	0

### Top Five Chemicals for Total Releases

Chemical	Air	Surface	Under-	Releases	Total
	Emissions Pounds	Water Discharges Pounds	ground Injection Pounds	to Land Pounds	
Copper compounds	266,632	0	0	21,511,643	21,778,275
Sulfuric acid	681,510	7,890	0	5	689,405
Barium compounds	750	0	0	456,298	457,048
Toluene	151,736	0	0	1,000	152,736
Acetone	128,542	0	0	0	128,542

### Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions		Surface Water Discharges		Releases to Land	Total Releases
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Copper compounds	266,632	0	21,511,643			21,778,275
Sulfuric acid	681,510	7,890	5			689,405
Barium compounds	750	0	456,298			457,048
Toluene	151,736	0	1,000			152,736
Acetone	128,542	0	0			128,542



# 1993 TOXICS RELEASE INVENTORY

# NEW MEXICO

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Phelps Dodge Mining Co.	Playas, Hidalgo	643,105	0	0	14,130,654	14,773,759
Chino Mines Co.	Hurley, Grant	305,252	0	0	7,837,287	8,142,539
Giant Refining Co.	Jamestown, Mc Kinley	149,942	0	0	6,890	156,832
Bloomfield Refining Co.	Bloomfield, San Juan	136,625	0	0	1,760	138,385
Intel Corp.	Rio Rancho, Sandoval	134,208	0	0	0	134,208
Navajo Refining Co.	Artesia, Eddy	107,880	0	0	2,879	110,759
Ethicon Endo-Surgery	Albuquerque, Bernalillo	65,882	0	0	0	65,882
Honeywell Inc.	Albuquerque, Bernalillo	61,454	0	0	0	61,454
Philips Electronics Corp.	Albuquerque, Bernalillo	30,459	0	0	0	30,459
Scientific Ecology Group Inc.	Carlsbad, Eddy	24,679	0	0	0	24,679

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Phelps Dodge Mining Co.	Playas, Hidalgo	643,105	0	14,130,654	14,773,759
Chino Mines Co.	Hurley, Grant	305,252	0	7,837,287	8,142,539
Giant Refining Co.	Jamestown, Mc Kinley	149,942	0	6,890	156,832
Bloomfield Refining Co.	Bloomfield, San Juan	136,625	0	1,760	138,385
Intel Corp.	Rio Rancho, Sandoval	134,208	0	0	134,208
Navajo Refining Co.	Artesia, Eddy	107,880	0	2,879	110,759
Ethicon Endo-Surgery	Albuquerque, Bernalillo	65,882	0	0	65,882
Honeywell Inc.	Albuquerque, Bernalillo	61,454	0	0	61,454
Philips Electronics Corp.	Albuquerque, Bernalillo	30,459	0	0	30,459
Scientific Ecology Group Inc.	Carlsbad, Eddy	24,679	0	0	24,679

## For More Information...

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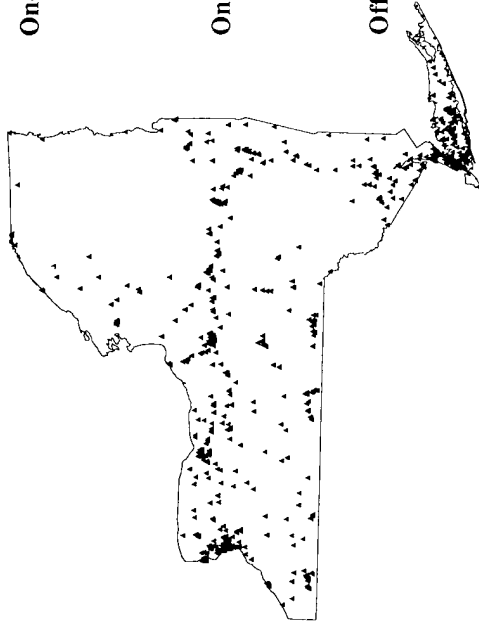




1993 TOXICS RELEASE INVENTORY

NEW YORK

Population	18,197,000
Total Facilities	847
Total Forms	2,592
National Rank for Total Releases	19
National Rank for Air/Water/Land Releases	19
Transfers into State	
Rank	9
Pounds	83,790,130
Transfers Out of State	
Rank	12
Pounds	67,586,956



Reported Releases and Waste Management Activities  
(pounds)

<b>On-site Releases</b>	
Air Emissions	47,759,205
Surface Water Discharges	44,854,984
Underground Injection Releases	1,779,140
Releases to Land	255
	1,124,826
<b>On-site Waste Management</b>	
Recycling	441,160,258
Energy Recovery	192,461,269
Treatment	22,002,172
	226,696,817
<b>Off-site Transfers for Further Waste Management</b>	
Recycling	108,501,495
Energy Recovery	79,057,657
Treatment	7,460,234
Publicly Owned Treatment Works (POTWs)	7,296,850
Disposal	8,468,446
Other Off-site Transfers	6,036,685
	181,623

Top Five Chemicals for Total Releases

Chemical	Air		Surface Water		Under-ground Injection	Releases to Land	Total Releases
	Pounds	Discharges	Pounds	Pounds			
Hydrochloric acid	6,174,267	709	0	461	0	461	6,175,437
Acetone	5,684,815	160,573	0	86	0	86	5,845,474
Toluene	5,820,716	3,015	0	930	0	930	5,824,661
Methanol	4,554,362	190,308	0	34,937	0	34,937	4,779,607
Dichloromethane	4,469,097	6,405	0	0	0	0	4,475,502

Top Five Chemicals for Air/Water/Land Releases

Chemical	Air		Surface Water		Releases to Land Pounds	Total Releases Pounds
	Emissions Pounds	Discharges Pounds	Discharges Pounds	Releases Pounds		
Hydrochloric acid	6,174,267		709		461	6,175,437
Acetone	5,684,815		160,573		86	5,845,474
Toluene	5,820,716		3,015		930	5,824,661
Methanol	4,554,362		190,308		34,937	4,779,607
Dichloromethane	4,469,097		6,405		0	4,475,502



# 1993 TOXICS RELEASE INVENTORY

# NEW YORK

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Eastman Kodak Co.	Rochester, Monroe	11,280,804	743,510	0	100	12,024,414
Bristol-Myers Squibb Co.	East Syracuse, Onondaga	3,252,302	265	0	0	3,252,567
General Electric Co.	Waterford, Saratoga	315,589	161,422	0	934,424	1,411,435
Corning Inc.	Canton, St Lawrence	1,336,954	0	0	0	1,336,954
Metal Container Corp.	New Windsor, Orange	880,500	0	0	0	880,500
Quebecor Printing Buffalo Inc.	Depew, Erie	876,997	0	0	0	876,997
Tesa Tape Inc.	Middletown, Orange	699,838	0	0	0	699,838
Niacet Corp.	Niagara Falls, Niagara	671,360	0	0	0	671,360
Pajco Products Inc.	Lowville, Lewis	669,842	0	0	0	669,842
General Motors Corp.	Lockport, Niagara	586,140	81,672	0	0	667,812

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Eastman Kodak Co.	Rochester, Monroe	11,280,804	743,510	100	12,024,414
Bristol-Myers Squibb Co.	East Syracuse, Onondaga	3,252,302	265	0	3,252,567
General Electric Co.	Waterford, Saratoga	315,589	161,422	934,424	1,411,435
Corning Inc.	Canton, St Lawrence	1,336,954	0	0	1,336,954
Metal Container Corp.	New Windsor, Orange	880,500	0	0	880,500
Quebecor Printing Buffalo Inc.	Depew, Erie	876,997	0	0	876,997
Tesa Tape Inc.	Middletown, Orange	699,838	0	0	699,838
Niacet Corp.	Niagara Falls, Niagara	671,360	0	0	671,360
Pajco Products Inc.	Lowville, Lewis	669,842	0	0	669,842
General Motors Corp.	Lockport, Niagara	586,140	81,672	0	667,812

## For More Information. . .

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 Nora Lopez  
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 (202) 260-1531 Fax (202) 260-4659

Occidental Chemical Corp. in Niagara Falls was the third largest New York facility for both total and air/water/land releases reporting to TRI in 1993 with 1,960,018 pounds of releases. However, the facility is not included in the top ten list because it indicated that it is not a covered facility (currently, only manufacturing facilities are required to report under EPCRA Section 313.)



# 1993 TOXICS RELEASE INVENTORY

# NORTH CAROLINA

Population 6,945,000

Total Facilities 965

Total Forms 2,993

National Rank for Total Releases 10

National Rank for Air/Water/Land Releases 7

Transfers into State

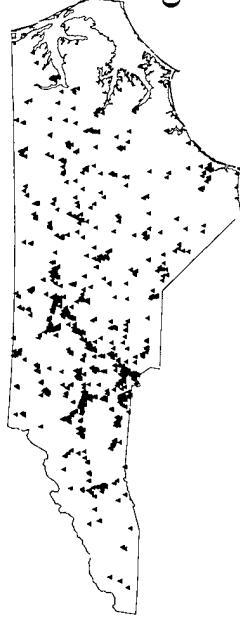
Rank 19

Pounds 29,925,137

Transfers Out of State

Rank 6

Pounds 105,531,748



## Reported Releases and Waste Management Activities (pounds)

### On-site Releases

Air Emissions 91,014,680  
 Surface Water Discharges 74,182,818  
 Underground Injection 735,905  
 Releases to Land 0  
 16,095,957

### On-site Waste Management

Recycling 710,956,952  
 Energy Recovery 336,747,571  
 Treatment 30,474,428  
 343,734,953

### Off-site Transfers for Further Waste Management

Recycling 124,593,345  
 Energy Recovery 100,713,583  
 Treatment 10,265,190  
 Publicly Owned Treatment Works (POTWs) 5,199,707  
 Disposal 3,585,272  
 Other Off-site Transfers 4,823,420  
 6,173

## Top Five Chemicals for Total Releases

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Methanol	15,536,772	203,804	0	18,011	15,758,587
Toluene	11,654,839	15	0	501	11,655,355
Phosphoric acid	31,793	250	0	8,811,830	8,843,873
Chromium compounds	7,257	10,960	0	6,742,463	6,760,680
Acetone	5,922,485	40,335	0	40	5,962,860

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Methanol	15,536,772	203,804	18,011	15,758,587
Toluene	11,654,839	15	501	11,655,355
Phosphoric acid	31,793	250	8,811,830	8,843,873
Chromium compounds	7,257	10,960	6,742,463	6,760,680
Acetone	5,922,485	40,335	40	5,962,860



# 1993 TOXICS RELEASE INVENTORY

# NORTH CAROLINA

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Texasgulf Inc.	Aurora, Beaufort	2,679,010	0	0	8,806,800	11,485,810
Occidental Chemical Corp.	Castle Hayne, New Hanover	4,817	74	0	6,700,904	6,705,795
Du Pont	Leland, Brunswick	3,815,000	15,456	0	24,854	3,855,310
Cape Industries	Wilmington, New Hanover	2,621,630	14,414	0	16,224	2,652,268
Champion International Corp.	Canton, Haywood	2,144,501	210,180	0	0	2,354,681
Weyerhaeuser Co.	Plymouth, Martin	2,092,665	19,320	0	0	2,111,985
Federal Paper Board Co. Inc.	Riegelwood, Columbus	1,896,081	22,080	0	42,000	1,960,161
Purulator Products Inc.	Fayetteville, Cumberland	1,490,075	0	0	0	1,490,075
Shuford Mills Inc.	Hickory, Catawba	1,471,534	0	0	0	1,471,534
Hickory Springs Mfg. Co.	Conover, Catawba	1,359,629	0	0	0	1,359,629

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Texasgulf Inc.	Aurora, Beaufort	2,679,010	0	8,806,800	11,485,810
Occidental Chemical Corp.	Castle Hayne, New Hanover	4,817	74	6,700,904	6,705,795
Du Pont	Leland, Brunswick	3,815,000	15,456	24,854	3,855,310
Cape Industries	Wilmington, New Hanover	2,621,630	14,414	16,224	2,652,268
Champion International Corp.	Canton, Haywood	2,144,501	210,180	0	2,354,681
Weyerhaeuser Co.	Plymouth, Martin	2,092,665	19,320	0	2,111,985
Federal Paper Board Co. Inc.	Riegelwood, Columbus	1,896,081	22,080	42,000	1,960,161
Purulator Products Inc.	Fayetteville, Cumberland	1,490,075	0	0	1,490,075
Shuford Mills Inc.	Hickory, Catawba	1,471,534	0	0	1,471,534
Hickory Springs Mfg. Co.	Conover, Catawba	1,359,629	0	0	1,359,629

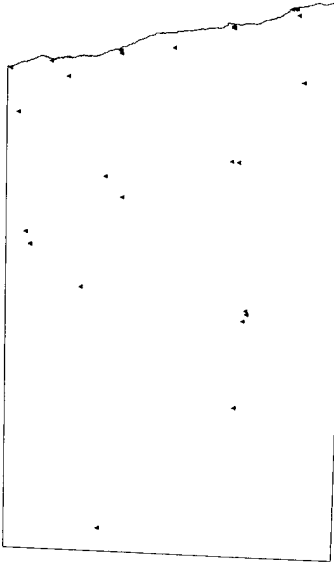
## For More Information. . .

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1993 TOXICS RELEASE INVENTORY

NORTH DAKOTA



Population	635,000
Total Facilities	33
Total Forms	91
National Rank for Total Releases	50
National Rank for Air/Water/Land Releases	50
Transfers into State	
Rank	41
Pounds	1,191,563
Transfers Out of State	
Rank	51
Pounds	104,889

Reported Releases and Waste Management Activities (pounds)

On-site Releases		
Air Emissions		1,539,427
Surface Water Discharges		1,467,998
Underground Injection Releases to Land		70,147
		0
		1,282
On-site Waste Management		
Recycling		1,864,363
Energy Recovery		12,136
Treatment		0
		1,852,227
Off-site Transfers for Further Waste Management		
Recycling		525,837
Energy Recovery		219,148
Treatment		46,830
Publicly Owned Treatment Works (POTWs)		61,531
Disposal		194,415
Other Off-site Transfers		3,913
		0

Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	577,123	69,633	0	750	647,506
Xylene (mixed isomers)	184,859	0	0	2	184,861
Methyl ethyl ketone	172,651	0	0	0	172,651
Toluene	102,000	0	0	1	102,001
1,1,1-Trichloroethane	72,313	0	0	0	72,313

Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	577,123	69,633	750	647,506
Xylene (mixed isomers)	184,859	0	2	184,861
Methyl ethyl ketone	172,651	0	0	172,651
Toluene	102,000	0	1	102,001
1,1,1-Trichloroethane	72,313	0	0	72,313



## 1993 TOXICS RELEASE INVENTORY

# NORTH DAKOTA

### Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Amoco Oil Co.	Mandan, Morton	372,677	4,970	0	32	377,679
Minn-Dak Farmers Cooperative	Wahpeton, Richland	264,279	23,963	0	0	288,242
American Crystal Sugar Co.	Drayton, Pembina	141,950	40,700	0	750	183,400
American Crystal Sugar Co.	Hillsboro, Traill	162,750	0	0	0	162,750
Sioux Mfg. Corp.	Fort Totten, Benson	152,350	0	0	0	152,350
Melroe Co.	Gwinner, Sargent	74,725	0	0	0	74,725
Steiger Tractor Inc.	Fargo, Cass	50,622	9	0	0	50,631
Lucas Aerospace Flight	Jamestown, Stutsman	42,230	0	0	0	42,230
TIC United Corp.	Wahpeton, Richland	39,378	0	0	0	39,378
Nordic Fiberglass Inc.	Devils Lake, Ramsey	32,511	0	0	0	32,511

### Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Amoco Oil Co.	Mandan, Morton	372,677	4,970	32	377,679
Minn-Dak Farmers Cooperative	Wahpeton, Richland	264,279	23,963	0	288,242
American Crystal Sugar Co.	Drayton, Pembina	141,950	40,700	750	183,400
American Crystal Sugar Co.	Hillsboro, Traill	162,750	0	0	162,750
Sioux Manufacturing Corp.	Fort Totten, Benson	152,350	0	0	152,350
Melroe Co.	Gwinner, Sargent	74,725	0	0	74,725
Steiger Tractor Inc.	Fargo, Cass	50,622	9	0	50,631
Lucas Aerospace Flight	Jamestown, Stutsman	42,230	0	0	42,230
TIC United Corp.	Wahpeton, Richland	39,378	0	0	39,378
Nordic Fiberglass Inc.	Devils Lake, Ramsey	32,511	0	0	32,511

### For More Information. . .

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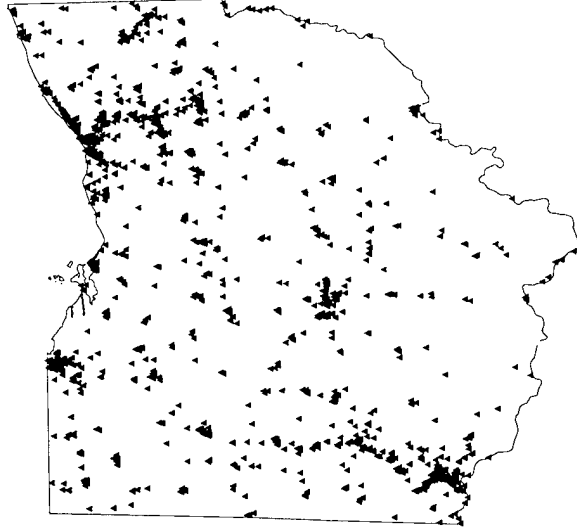


## 1993 TOXICS RELEASE INVENTORY

# OHIO

### Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>	138,034,559
Air Emissions	84,597,707
Surface Water Discharges	4,798,638
Underground Injection	25,865,489
Releases to Land	22,772,725
<b>On-site Waste Management</b>	1,048,668,493
Recycling	584,105,466
Energy Recovery	108,816,233
Treatment	355,746,794
<b>Off-site Transfers for Further Waste Management</b>	333,994,896
Recycling	200,292,570
Energy Recovery	31,009,831
Treatment	47,164,592
Publicly Owned Treatment Works (POTWs)	17,734,142
Disposal	37,752,061
Other Off-site Transfers	41,700



Population	11,091,000
Total Facilities	1,669
Total Forms	5,907
National Rank for Total Releases	4
National Rank for Air/Water/Land Releases	4
Transfers into State Rank	4
Pounds	177,648,173
Transfers Out of State Rank	2
Pounds	146,735,739

### Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	11,025,867	4,204,375	13,026,700	72,279	28,329,221
Manganese compounds	665,695	85,498	250	14,612,000	15,363,443
Xylene (mixed isomers)	9,031,128	157	0	309	9,031,594
Toluene	7,557,159	129	59	103	7,557,450
Hydrochloric acid	2,699,531	1	3,520,000	5	6,219,537

### Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Manganese compounds	665,695	85,498	14,612,000	15,363,193
Ammonia	11,025,867	4,204,375	72,279	15,302,521
Xylene (mixed isomers)	9,031,128	157	309	9,031,594
Toluene	7,557,159	129	103	7,557,391
Zinc compounds	247,285	22,153	5,524,986	5,794,424



# 1993 TOXICS RELEASE INVENTORY

# OHIO

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
BP Chemicals Inc.	Lima, Allen	214,380	0	20,406,300	0	20,620,680
Elkem Metals Co.	Marietta, Washington	4,556,572	3,968,000	0	10,080,000	18,604,572
AK Steel Corp.	Middletown, Butler	344,190	14,860	3,520,000	310,000	4,189,050
General Motors Corp.	Defiance, Defiance	354,458	22,265	0	3,148,094	3,524,817
Honda of America Mfg. Inc.	Marysville, Union	3,438,305	0	0	0	3,438,305
Arcadian Ohio L.P.	Lima, Allen	3,343,600	45,360	0	0	3,388,960
Wheeling-Pittsburgh Steel Corp	Mingo Junction, Jefferson	49,920	39,875	0	3,000,000	3,089,795
Aristech Chemical Corp.	Haverhill, Scioto	924,435	2,092	1,931,482	0	2,858,009
SCM Chemicals Americas	Ashtabula, Ashtabula	2,238,400	0	0	0	2,238,400
Stone Container Corp.	Coshocton, Coshocton	2,052,506	1,552	0	0	2,054,058

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Elkem Metals Co.	Marietta, Washington	4,556,572	3,968,000	10,080,000	18,604,572
General Motors Corp.	Defiance, Defiance	354,458	22,265	3,148,094	3,524,817
Honda of America Mfg. Inc.	Marysville, Union	3,438,305	0	0	3,438,305
Arcadian Ohio L.P.	Lima, Allen	3,343,600	45,360	0	3,388,960
Wheeling-Pittsburgh Steel Corp	Mingo Junction, Jefferson	49,920	39,875	3,000,000	3,089,795
SCM Chemicals Americas	Ashtabula, Ashtabula	2,238,400	0	0	2,238,400
Stone Container Corp.	Coshocton, Coshocton	2,052,506	1,552	0	2,054,058
LTV Steel Co. Inc.	Cleveland, Cuyahoga	108,642	2,437	1,874,052	1,985,131
General Motors Corp.	Moraine, Montgomery	1,693,900	0	0	1,693,900
USS/Kobe Steel Co.	Lorain, Lorain	7,160	25,000	1,384,000	1,416,160

## For More Information. . .

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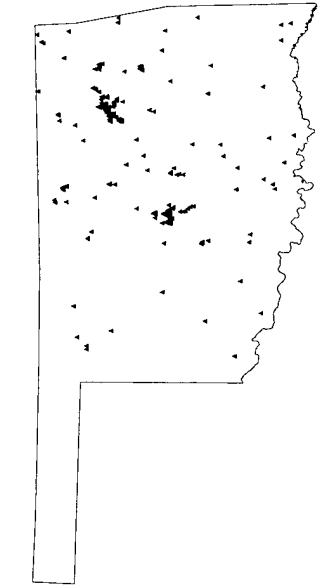
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1993 TOXICS RELEASE INVENTORY

# OKLAHOMA



Population	3,231,000
Total Facilities	255
Total Forms	836
National Rank for Total Releases	30
National Rank for Air/Water/Land Releases	30
Transfers into State	
Rank	32
Pounds	6,775,148
Transfers Out of State	
Rank	25
Pounds	27,887,142

## Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>	
Air Emissions	22,060,782
Surface Water Discharges	17,228,991
Underground Injection Releases to Land	418,143
	1,228,210
	3,185,438
<b>On-site Waste Management</b>	
Recycling	167,130,651
Energy Recovery	106,293,704
Treatment	5,490,915
	55,346,032
<b>Off-site Transfers for Further Waste Management</b>	
Recycling	36,361,455
Energy Recovery	21,324,382
Treatment	2,718,713
Publicly Owned Treatment Works (POTWs)	912,252
Disposal	195,438
Other Off-site Transfers	11,208,920
	1,750

## Top Five Chemicals for Total Releases

Chemical	Surface Water Discharges		Underground Injection	Releases to Land		Total Releases
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Ammonia	4,794,045	161,016	141,320	68,082		5,164,463
Zinc compounds	41,752	3,270	9,576	2,263,570		2,318,168
Toluene	1,793,392	71	6,000	270		1,799,733
Methyl ethyl ketone	1,743,554	390	0	0		1,743,944
Xylene (mixed isomers)	1,563,056	71	0	283		1,563,410

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions		Surface Water Discharges		Releases to Land		Total Releases
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Ammonia	4,794,045		161,016		68,082		5,023,143
Zinc compounds	41,752		3,270		2,263,570		2,308,592
Toluene	1,793,392		71		270		1,793,733
Methyl ethyl ketone	1,743,554		390		0		1,743,944
Xylene (mixed isomers)	1,563,056		71		283		1,563,410



# 1993 TOXICS RELEASE INVENTORY

# OKLAHOMA

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Farmland Industries Inc.	Enid, Garfield	3,733,060	33,250	0	505	3,766,815
Zinc Corp. of America	Bartlesville, Washington	43,427	0	13,848	2,690,214	2,747,489
Sun Refining & Marketing Co.	Tulsa, Tulsa	1,550,070	5,140	0	35	1,555,245
Wil-Gro Fertilizer	Pryor, Mayes	269,540	54,348	1,042,120	0	1,366,008
General Motors Corp.	Oklahoma City, Oklahoma	1,137,126	0	0	0	1,137,126
Petrolite	Barnsdall, Osage	930,660	0	6,000	0	936,660
Agricultural Minerals Ltd.	Verdigris, Rogers	512,000	223,151	128,300	1,250	864,701
Terra International Inc.	Woodward, Woodward	670,270	11,350	0	0	681,620
Xerox Corp.	Oklahoma City, Canadian	661,281	0	0	0	661,281
Fort Howard Corp.	Muskogee, Muskogee	537,000	7,450	0	93,312	637,762

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Farmland Industries Inc.	Enid, Garfield	3,733,060	33,250	505	3,766,815
Zinc Corp. of America	Bartlesville, Washington	43,427	0	2,690,214	2,733,641
Sun Refining & Marketing Co.	Tulsa, Tulsa	1,550,070	5,140	35	1,555,245
General Motors Corp.	Oklahoma City, Oklahoma	1,137,126	0	0	1,137,126
Petrolite	Barnsdall, Osage	930,660	0	0	930,660
Agricultural Minerals Ltd.	Verdigris, Rogers	512,000	223,151	1,250	736,401
Terra International Inc.	Woodward, Woodward	670,270	11,350	0	681,620
Xerox Corp.	Oklahoma City, Canadian	661,281	0	0	661,281
Fort Howard Corp.	Muskogee, Muskogee	537,000	7,450	93,312	637,762
J. P. Emco Inc.	Ada, Pontotoc	507,320	0	0	507,320

## For More Information. . .

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**To obtain TRI data use assistance, call TRI User Support Service (TRI-US):**  
 (202) 260-1531 Fax (202) 260-4659

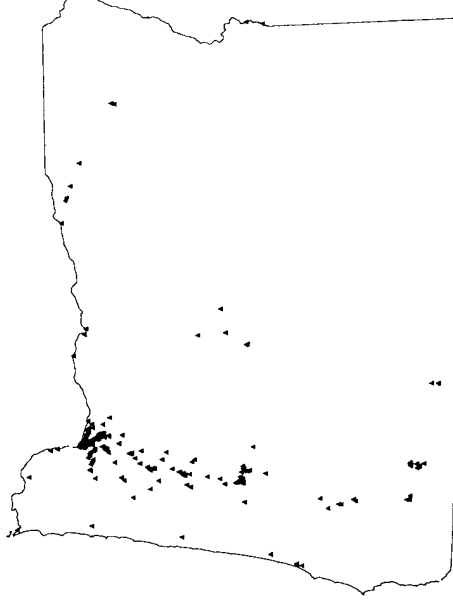


## 1993 TOXICS RELEASE INVENTORY

# OREGON

### Reported Releases and Waste Management Activities (pounds)

Population	3,032,000				
Total Facilities	256			Air Emissions	19,435,631
Total Forms	777			Surface Water Discharges	16,903,135
National Rank for Total Releases	31			Underground Injection	562,627
National Rank for Air/Water/Land Releases	31			Releases to Land	0
Transfers into State					1,969,869
Rank	44				
Pounds	878,527			On-site Waste Management	135,721,533
Transfers Out of State				Recycling	41,951,929
Rank	36			Energy Recovery	9,065,600
Pounds	14,140,688			Treatment	84,704,004
				Off-site Transfers for Further Waste Management	23,820,882
				Recycling	16,370,061
				Energy Recovery	609,976
				Treatment	699,817
				Publicly Owned Treatment Works (POTWs)	4,827,587
				Disposal	1,313,441
				Other Off-site Transfers	0



### Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Methanol	4,306,482	115,950	0	13,543	4,435,975
Toluene	2,590,648	0	0	0	2,590,648
Ammonia	1,356,676	259,470	0	465,797	2,081,943
Acetone	1,618,135	16,756	0	235	1,635,126
Hydrochloric acid	1,302,441	353	0	0	1,302,794

### Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Methanol	4,306,482	115,950	13,543	4,435,975
Toluene	2,590,648	0	0	2,590,648
Ammonia	1,356,676	259,470	465,797	2,081,943
Acetone	1,618,135	16,756	235	1,635,126
Hydrochloric acid	1,302,441	353	0	1,302,794



# 1993 TOXICS RELEASE INVENTORY

# OREGON

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
3M Co.	White City, Jackson	1,389,650	0	0	0	1,389,650
Boise Cascade Corp.	Saint Helens, Columbia	1,127,060	0	0	0	1,127,060
Glenbrook Nickel Co.	Riddle, Douglas	8,135	123	0	1,115,450	1,123,708
Rexham Graphics	Portland, Multnomah	950,000	0	0	0	950,000
Simpson Investment Co.	Portland, Multnomah	887,220	0	0	0	887,220
Weyerhaeuser Co.	Springfield, Lane	755,279	12,820	0	270	768,369
Pope & Talbot Inc.	Halsey, Linn	674,500	67,050	0	0	741,550
Georgia-Pacific Resins Inc.	Albany, Linn	655,100	0	0	0	655,100
James River Paper Co. Inc.	Clatskanie, Clatsop	397,582	200,443	0	3,153	601,178
Teledyne Wah Chang	Albany, Linn	478,600	69,500	0	0	548,100

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
3M Co.	White City, Jackson	1,389,650	0	0	1,389,650
Boise Cascade Corp.	Saint Helens, Columbia	1,127,060	0	0	1,127,060
Glenbrook Nickel Co.	Riddle, Douglas	8,135	123	1,115,450	1,123,708
Rexham Graphics	Portland, Multnomah	950,000	0	0	950,000
Simpson Investment Co.	Portland, Multnomah	887,220	0	0	887,220
Weyerhaeuser Co.	Springfield, Lane	755,279	12,820	270	768,369
Pope & Talbot Inc.	Halsey, Linn	674,500	67,050	0	741,550
Georgia-Pacific Resins Inc.	Albany, Linn	655,100	0	0	655,100
James River Paper Co. Inc.	Clatskanie, Clatsop	397,582	200,443	3,153	601,178
Teledyne Wah Chang	Albany, Linn	478,600	69,500	0	548,100

## For More Information...

**State Contact:** Dennis Walthall  
 (503) 378-3473 Ext. 231  
 Fax (503) 373-1825  
**EPA Regional Contact:** Phil Wong  
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 Fax (206) 553-8338

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 call TRI User Support Service (TRI-US):

(202) 260-1531  
 Fax (202) 260-4659



# PENNSYLVANIA

**Reported Releases and Waste Management Activities**  
(pounds)

Population		12,048,000	
Total Facilities	1,262		
Total Forms	4,252		
National Rank for Total Releases	16		
National Rank for Air/Water/Land Releases	15		
Transfers into State			
Rank	2		
Pounds	220,214,791		
Transfers Out of State			
Rank	5		
Pounds	111,025,328		

On-site Releases	
Air Emissions	54,082,286
Surface Water Discharges	52,071,577
Underground Injection Releases to Land	1,054,565
	3,202
	952,942

On-site Waste Management	
Recycling	1,031,615,091
Energy Recovery Treatment	566,369,620
	145,315,397
	319,930,074

Off-site Transfers for Further Waste Management	
Recycling	297,645,868
Energy Recovery Treatment	180,137,012
Publicly Owned Treatment Works (POTWs)	20,462,927
Disposal	25,063,156
Other Off-site Transfers	9,610,012
	61,777,620
	595,141

## Top Five Chemicals for Total Releases

Chemical	Air		Surface		Under-		Releases to Land Pounds	Total Releases Pounds
	Emissions Pounds		Water Discharges Pounds	ground Injection Pounds				
Toluene	9,734,285		19,044	0		1,310	9,754,639	
Methyl ethyl ketone	4,624,810		84,210	0		33	4,709,053	
Xylene (mixed isomers)	3,749,329		592	0		1,786	3,751,707	
Ammonia	2,796,160		624,093	0		6,118	3,426,371	
Dichloromethane	3,423,459		35	0		0	3,423,494	

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface		Total Releases Pounds
		Water Discharges Pounds	Releases to Land Pounds	
Toluene	9,734,285	19,044	1,310	9,754,639
Methyl ethyl ketone	4,624,810	84,210	33	4,709,053
Xylene (mixed isomers)	3,749,329	592	1,786	3,751,707
Ammonia	2,796,160	624,093	6,118	3,426,371
Dichloromethane	3,423,459	35	0	3,423,494



# 1993 TOXICS RELEASE INVENTORY

# PENNSYLVANIA

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
P. H. Glatfelter Co.	Spring Grove, York	1,811,655	6,532	0	764	1,818,951
Kurz-Hastings Inc.	Philadelphia, Philadelphia	1,628,758	0	0	0	1,628,758
3M Co.	Bristol, Bucks	1,396,350	0	0	0	1,396,350
International Paper	Erie, Erie	1,342,980	1,960	0	2,579	1,347,519
Cabot Performance Materials	Boyertown, Berks	1,255,053	32,091	0	0	1,287,144
Resilite Sports Products Inc.	Northumberland, Northumberland	1,194,355	0	0	0	1,194,355
Du Pont Towanda Plant	Towanda, Bradford	1,152,740	0	0	0	1,152,740
Willamette Industries Inc.	Johnsontown, Elk	1,006,964	2,413	2	1,036	1,010,415
Quebecor Printing Atglen Inc.	Atglen, Chester	982,900	22	0	0	982,922
Allied-Signal Inc.	Philadelphia, Philadelphia	958,254	0	0	0	958,254

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
P. H. Glatfelter Co.	Spring Grove, York	1,811,655	6,532	764	1,818,951
Kurz-Hastings Inc.	Philadelphia, Philadelphia	1,628,758	0	0	1,628,758
3M Co.	Bristol, Bucks	1,396,350	0	0	1,396,350
International Paper	Erie, Erie	1,342,980	1,960	2,579	1,347,519
Cabot Performance Materials	Boyertown, Berks	1,255,053	32,091	0	1,287,144
Resilite Sports Products Inc.	Northumberland, Northumberland	1,194,355	0	0	1,194,355
Du Pont Towanda Plant	Towanda, Bradford	1,152,740	0	0	1,152,740
Willamette Industries Inc.	Johnsontown, Elk	1,006,964	2,413	1,036	1,010,413
Quebecor Printing Atglen Inc.	Atglen, Chester	982,900	22	0	982,922
Allied-Signal Inc.	Philadelphia, Philadelphia	958,254	0	0	958,254

## For More Information...

**State Contact:**  
 (717) 783-2071  
 James Tinney  
 Fax (717) 787-8363  
**EPA Regional Contact:**  
 (215) 597-3659  
 Mikal Shabazz  
 Fax (215) 597-3156  
**To obtain TRI data use assistance, call TRI User Support Service (TRI-US):**  
 (202) 260-1531  
 Fax (202) 260-4659



# 1993 TOXICS RELEASE INVENTORY

# PUERTO RICO

Population 3,580,000  
 Total Facilities 177  
 Total Forms 579  
 National Rank for Total Releases 35  
 National Rank for Air/Water/Land Releases 34  
 Transfers into State 51  
 Rank 0  
 Pounds  
 Transfers Out of State 39  
 Rank 10,439,956  
 Pounds



## Reported Releases and Waste Management Activities (pounds)

**On-site Releases**  
 Air Emissions 13,414,400  
 Surface Water Discharges 13,387,462  
 Underground Injection Releases to Land 16,531  
 0  
 10,407

**On-site Waste Management**  
 Recycling 56,012,160  
 Energy Recovery 25,748,447  
 Treatment 840  
 30,262,873

**Off-site Transfers for Further Waste Management**  
 Recycling 33,232,967  
 Energy Recovery 14,610,091  
 Treatment 8,217,141  
 6,476,251  
 Publicly Owned Treatment Works (POTWs) 3,581,800  
 Disposal 347,434  
 Other Off-site Transfers 250

## Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Dichloromethane	3,819,052	0	0	1,900	3,820,952
Acetone	2,421,836	0	0	0	2,421,836
Toluene	1,722,029	0	0	1,019	1,723,048
Methyl ethyl ketone	646,983	0	0	0	646,983
n-Butyl alcohol	640,222	0	0	0	640,222

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Dichloromethane	3,819,052	0	1,900	3,820,952
Acetone	2,421,836	0	0	2,421,836
Toluene	1,722,029	0	1,019	1,723,048
Methyl ethyl ketone	646,983	0	0	646,983
n-Butyl alcohol	640,222	0	0	640,222



# 1993 TOXICS RELEASE INVENTORY

# PUERTO RICO

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Abbott Chemicals Inc.	Barceloneta, Barceloneta	2,155,214	0	0	0	2,155,214
Phillips P. R. Core Inc.	Guayama, Guayama	1,806,163	0	0	0	1,806,163
Upjohn Manufacturing Co.	Arecibo, Arecibo	1,742,566	0	0	0	1,742,566
Pfizer Pharmaceuticals Inc.	Barceloneta, Barceloneta	935,200	0	0	0	935,200
Puerto Rico Sun Oil Co.	Yabucoa, Yabucoa	798,230	4,700	0	0	802,930
Bristol-Myers Barceloneta Inc.	Barceloneta, Barceloneta	520,490	0	0	0	520,490
Schering-Plough Products Inc.	Las Piedras, Las Piedras	472,400	0	0	0	472,400
Coatings Inc. & Co.	Bayamon, Bayamon	406,273	0	0	0	406,273
Outdoor Footwear Co.	Isabela, Isabela	341,053	0	0	0	341,053
Schering-Plough Products Inc.	Manati, Manati	333,691	0	0	0	333,691

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Abbott Chemicals Inc.	Barceloneta, Barceloneta	2,155,214	0	0	2,155,214
Phillips P. R. Core Inc.	Guayama, Guayama	1,806,163	0	0	1,806,163
Upjohn Manufacturing Co.	Arecibo, Arecibo	1,742,566	0	0	1,742,566
Pfizer Pharmaceuticals Inc.	Barceloneta, Barceloneta	935,200	0	0	935,200
Puerto Rico Sun Oil Co.	Yabucoa, Yabucoa	798,230	4,700	0	802,930
Bristol-Myers Barceloneta Inc.	Barceloneta, Barceloneta	520,490	0	0	520,490
Schering-Plough Products Inc.	Las Piedras, Las Piedras	472,400	0	0	472,400
Coatings Inc. & Co.	Bayamon, Bayamon	406,273	0	0	406,273
Outdoor Footwear Co.	Isabela, Isabela	341,053	0	0	341,053
Schering-Plough Products Inc.	Manati, Manati	333,691	0	0	333,691

## For More Information...

**State Contact:**  
(809) 766-8056  
**EPA Regional Contact:**  
(908) 906-6890

**Genaro Torres**  
Fax (809) 766-2483  
**Nora Lopez**  
Fax (908) 321-6788

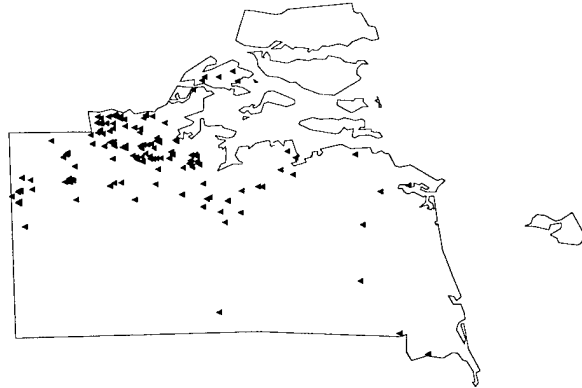
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1993 TOXICS RELEASE INVENTORY

RHODE ISLAND



Population	1,000,000
Total Facilities	158
Total Forms	439
National Rank for Total Releases	47
National Rank for Air/Water/Land Releases	46
Transfers into State	
Rank	35
Pounds	2,970,938
Transfers Out of State	
Rank	38
Pounds	12,117,606

Reported Releases and Waste Management Activities (pounds)

On-site Releases	3,659,185
Air Emissions	3,525,422
Surface Water Discharges	133,763
Underground Injection Releases to Land	0
0	0
On-site Waste Management	26,986,179
Recycling	12,673,871
Energy Recovery	275,643
Treatment	14,036,665
Off-site Transfers for Further Waste Management	17,095,366
Recycling	11,664,174
Energy Recovery	457,959
Treatment	533,093
Publicly Owned Treatment Works (POTWs)	1,925,027
Disposal	2,515,076
Other Off-site Transfers	37

Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	1,483,106	0	0	0	1,483,106
Methanol	474,623	0	0	0	474,623
Methyl ethyl ketone	439,264	0	0	0	439,264
Acetone	228,019	7,268	0	0	235,287
1,1,1-Trichloroethane	231,733	0	0	0	231,733

Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	1,483,106	0	0	1,483,106
Methanol	474,623	0	0	474,623
Methyl ethyl ketone	439,264	0	0	439,264
Acetone	228,019	7,268	0	235,287
1,1,1-Trichloroethane	231,733	0	0	231,733



# 1993 TOXICS RELEASE INVENTORY

# RHODE ISLAND

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Quebecor Printing	Providence, Providence	1,366,140	0	0	0	1,366,140
Premier Thread Co.	Bristol, Bristol	379,527	0	0	0	379,527
Kenyon Industries Inc.	Kenyon, Washington	182,732	0	0	0	182,732
Decorative Specialties Intl.	Johnston, Providence	171,736	0	0	0	171,736
Osrarn Sylvania Inc.	Central Falls, Providence	37,355	98,655	0	0	136,010
Stanley-Bostitch Inc.	East Greenwich, Kent	128,183	0	0	0	128,183
TPI Inc.	Warren, Bristol	104,907	0	0	0	104,907
Hoechst-Celanese Corp.	Coventry, Kent	34,437	35,098	0	0	69,535
ACS Industries	Woonsocket, Providence	68,934	0	0	0	68,934
Lloyd Manufacturing Corp.	Warren, Bristol	67,000	0	0	0	67,000

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Quebecor Printing	Providence, Providence	1,366,140	0	0	1,366,140
Premier Thread Co.	Bristol, Bristol	379,527	0	0	379,527
Kenyon Industries Inc.	Kenyon, Washington	182,732	0	0	182,732
Decorative Specialties Intl.	Johnston, Providence	171,736	0	0	171,736
Osrarn Sylvania Inc.	Central Falls, Providence	37,355	98,655	0	136,010
Stanley-Bostitch Inc.	East Greenwich, Kent	128,183	0	0	128,183
TPI Inc.	Warren, Bristol	104,907	0	0	104,907
Hoechst-Celanese Corp.	Coventry, Kent	34,437	35,098	0	69,535
ACS Industries	Woonsocket, Providence	68,934	0	0	68,934
Lloyd Manufacturing Corp.	Warren, Bristol	67,000	0	0	67,000

To obtain TRI data use assistance, call TRI User Support Service (TRI-US):

State Contact: Martha Delaney Mulcahey  
(401) 277-2808 ext. 7032 Fax (401) 277-2017

For More Information. . .

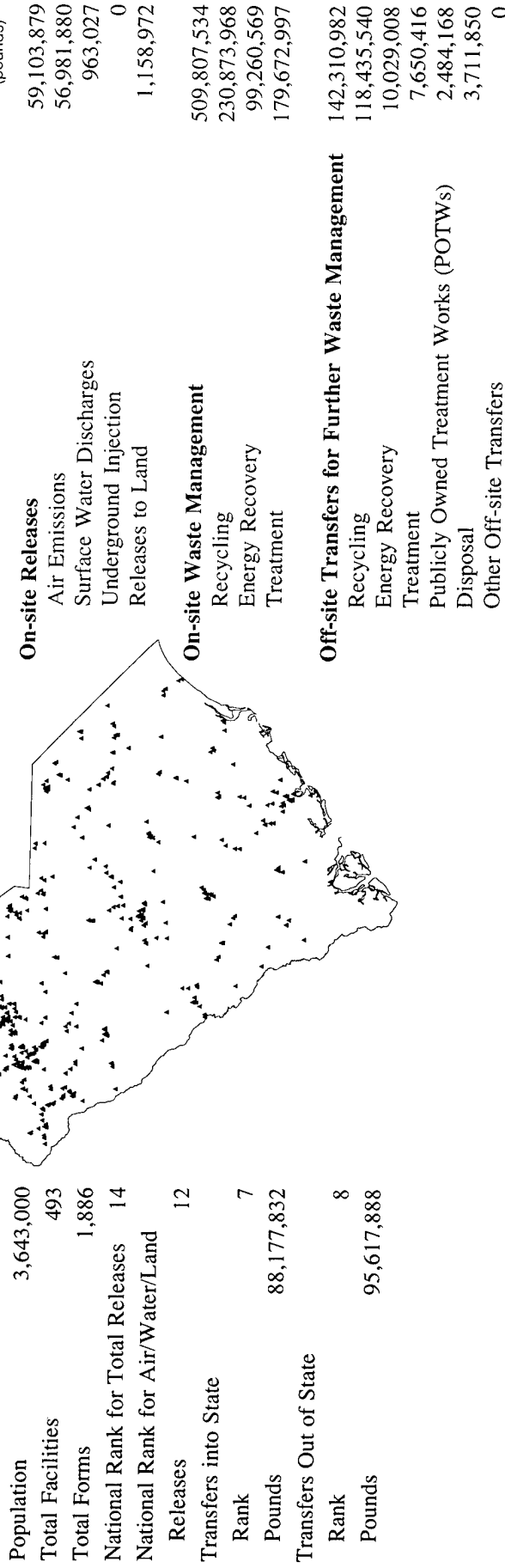
EPA Regional Contact:  
(617) 565-4502

Dwight Peavey  
Fax (617) 565-4939

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**Reported Releases and Waste Management Activities**  
(pounds)



## Top Five Chemicals for Air/Water/Land Releases

Chemical	Surface		Releases to Land Pounds	Total Releases Pounds
	Air Emissions Pounds	Water Discharges Pounds		
Methanol	17,410,594	152,896	73,857	17,637,347
Acetone	6,544,375	35,028	8,755	6,588,158
Toluene	6,082,360	270	754	6,083,384
Ammonia	3,714,232	321,784	159,431	4,195,447
Hydrochloric acid	3,612,818	5	650	3,613,473



# 1993 TOXICS RELEASE INVENTORY

# SOUTH CAROLINA

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Westinghouse Electric Corp.	Hampton	5,425,690	31	0	0	5,425,721
Westvaco Corp.	North Charleston, Charleston	5,280,208	17,691	0	0	5,297,899
Hoechst-Celanese Corp.	Rock Hill, York	3,394,423	11,802	0	0	3,406,225
Stone Container Corp.	Florence, Florence	3,040,342	9,576	0	0	3,049,918
Anchor Continental Inc.	Columbia, Richland	2,751,900	0	0	0	2,751,900
Bowater Inc.	Catawba, York	2,167,795	198,710	0	63,965	2,430,470
International Paper	Georgetown, Georgetown	2,241,272	80,729	0	0	2,322,001
Carolina Eastman	Columbia, Calhoun	2,197,196	72,926	0	23,027	2,293,149
Union Camp Corp.	Eastover, Richland	2,241,850	7,815	0	15,415	2,265,080
Teepak Inc.	Swansea, Calhoun	1,330,000	52,000	0	0	1,382,000

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Westinghouse Electric Corp.	Hampton	5,425,690	31	0	5,425,721
Westvaco Corp.	North Charleston, Charleston	5,280,208	17,691	0	5,297,899
Hoechst-Celanese Corp.	Rock Hill, York	3,394,423	11,802	0	3,406,225
Stone Container Corp.	Florence, Florence	3,040,342	9,576	0	3,049,918
Anchor Continental Inc.	Columbia, Richland	2,751,900	0	0	2,751,900
Bowater Inc.	Catawba, York	2,167,795	198,710	63,965	2,430,470
International Paper	Georgetown, Georgetown	2,241,272	80,729	0	2,322,001
Carolina Eastman	Columbia, Calhoun	2,197,196	72,926	23,027	2,293,149
Union Camp Corp.	Eastover, Richland	2,241,850	7,815	15,415	2,265,080
Teepak Inc.	Swansea, Calhoun	1,330,000	52,000	0	1,382,000

## For More Information...

**State Contact:**  
(803) 896-4117  
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(404) 347-1033 Ext. 36

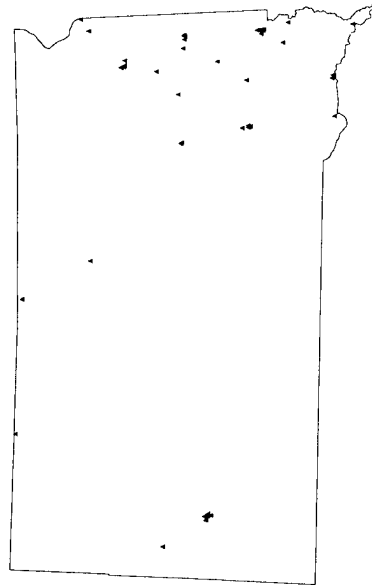
**Michael Juras**  
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call TRI User Support Service (TRI-US):  
(202) 260-1531 Fax (202) 260-4659



1993 TOXICS RELEASE INVENTORY

SOUTH DAKOTA



Population	715,000
Total Facilities	64
Total Forms	120
National Rank for Total Releases	48
National Rank for Air/Water/Land Releases	48
Transfers into State	
Rank	47
Pounds	93,240
Transfers Out of State	
Rank	48
Pounds	529,935

Reported Releases and Waste Management Activities (pounds)

On-site Releases		2,006,951
Air Emissions		1,799,323
Surface Water Discharges		15,018
Underground Injection Releases to Land		0
On-site Waste Management		192,610
Recycling		66,586,613
Energy Recovery		36,869,073
Treatment		766,600
Off-site Transfers for Further Waste Management		28,950,940
Recycling		814,547
Energy Recovery		290,928
Treatment		212,101
Publicly Owned Treatment Works (POTWs)		53,737
Disposal		192,453
Other Off-site Transfers		65,328
		0

Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Xylene (mixed isomers)	703,197	0	0	0	703,197
Toluene	192,663	0	0	0	192,663
Methyl ethyl ketone	139,162	0	0	0	139,162
Nitric acid	2,759	0	0	119,496	122,255
Ammonia	90,000	15,000	0	0	105,000

Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Xylene (mixed isomers)	703,197	0	0	703,197
Toluene	192,663	0	0	192,663
Methyl ethyl ketone	139,162	0	0	139,162
Nitric acid	2,759	0	119,496	122,255
Ammonia	90,000	15,000	0	105,000



# 1993 TOXICS RELEASE INVENTORY

# SOUTH DAKOTA

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
3M Health Care	Brookings, Brookings	363,950	0	0	0	363,950
Starmark Inc.	Sioux Falls, Minnehaha	250,000	0	0	0	250,000
Alumax Extrusions Inc.	Yankton, Yankton	209,910	0	0	0	209,910
Stella Foods Inc.	Big Stone City, Grant	0	0	0	192,610	192,610
John Morrell & Co.	Sioux Falls, Minnehaha	90,000	15,013	0	0	105,013
SMC Corp.	Sioux Falls, Minnehaha	93,393	0	0	0	93,393
Enerecept Inc.	Watertown, Codington	83,741	0	0	0	83,741
Trail King Industries Inc.	Mitchell, Davison	74,763	0	0	0	74,763
Trail King Industries Inc.	Mitchell, Davison	68,210	0	0	0	68,210
Merillat Industries Inc.	Rapid City, Pennington	67,950	0	0	0	67,950

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
3M Health Care	Brookings, Brookings	363,950	0	0	363,950
Starmark Inc.	Sioux Falls, Minnehaha	250,000	0	0	250,000
Alumax Extrusions Inc.	Yankton, Yankton	209,910	0	0	209,910
Stella Foods Inc.	Big Stone City, Grant	0	0	192,610	192,610
John Morrell & Co.	Sioux Falls, Minnehaha	90,000	15,013	0	105,013
SMC Corp.	Sioux Falls, Minnehaha	93,393	0	0	93,393
Enerecept Inc.	Watertown, Codington	83,741	0	0	83,741
Trail King Industries Inc.	Mitchell, Davison	74,763	0	0	74,763
Trail King Industries Inc.	Mitchell, Davison	68,210	0	0	68,210
Merillat Industries Inc.	Rapid City, Pennington	67,950	0	0	67,950

## For More Information...

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 call TRI User Support Service (TRI-US):  
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# 1993 TOXICS RELEASE INVENTORY

# TENNESSEE

Population 5,099,000  
 Total Facilities 694  
 Total Forms 2,297  
 National Rank for Total Releases 3  
 National Rank for Air/Water/Land Releases 3  
 Transfers into State 13  
 Rank 55,276,204  
 Pounds  
 Transfers Out of State 21  
 Rank 36,171,245  
 Pounds



## Reported Releases and Waste Management Activities (pounds)

**On-site Releases**  
 Air Emissions 188,207,643  
 Surface Water Discharges 116,734,579  
 Underground Injection 2,263,941  
 Releases to Land 62,224,840  
 6,984,283

**On-site Waste Management**  
 Recycling 450,451,603  
 Energy Recovery 186,797,678  
 Treatment 64,026,756  
 199,627,169

**Off-site Transfers for Further Waste Management**  
 Recycling 86,082,874  
 Energy Recovery 43,699,761  
 Treatment 9,794,572  
 Publicly Owned Treatment Works (POTWs) 3,598,948  
 Disposal 19,410,913  
 Other Off-site Transfers 9,576,246  
 2,434

## Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Hydrochloric acid	4,347,458	34	49,000,000	455	53,347,947
Carbon disulfide	29,003,644	18,273	0	0	29,021,917
Acetone	27,052,867	18,849	0	8,064	27,079,780
Toluene	13,284,667	13,814	0	29,585	13,328,066
Ammonia	5,235,674	347,532	6,914,441	8,637	12,506,284

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Carbon disulfide	29,003,644	18,273	0	29,021,917
Acetone	27,052,867	18,849	8,064	27,079,780
Toluene	13,284,667	13,814	29,585	13,328,066
Methanol	8,238,003	18,768	14,800	8,271,571
Xylene (mixed isomers)	6,909,421	1,240	16,817	6,927,478



# 1993 TOXICS RELEASE INVENTORY

# TENNESSEE

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Du Pont	New Johnsonville, Humphreys	2,215,700	0	49,000,000	0	51,215,700
Eastman Chemical Co.	Kingsport, Sullivan	29,027,863	233,428	0	78,386	29,339,677
Lenzing Fibers Corp.	Lowland, Hamblen	22,250,765	21,750	0	0	22,272,515
Zeneca Specialties	Mt. Pleasant, Maury	204,674	0	13,224,585	0	13,429,259
Chemicals Inc.	New Johnsonville, Humphreys	220,712	891	0	5,463,290	5,684,893
Arcadian Fertilizer L.P.	Millington, Shelby	4,029,229	9,937	0	0	4,039,166
North American Rayon Corp.	Elizabethton, Carter	3,651,505	120,150	0	30	3,771,685
Holliston Mills Inc.	Church Hill, Hawkins	2,922,628	53	0	234	2,922,915
Nissan Motor Mfg. Corp. USA	Smyrna, Rutherford	2,519,315	0	0	0	2,519,315
Viskase Corp.	Loudon, Loudon	2,129,000	0	0	0	2,129,000

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Eastman Chemical Co.	Kingsport, Sullivan	29,027,863	233,428	78,386	29,339,677
Lenzing Fibers Corp.	Lowland, Hamblen	22,250,765	21,750	0	22,272,515
Chemicals Inc.	New Johnsonville, Humphreys	220,712	891	5,463,290	5,684,893
Arcadian Fertilizer L.P.	Millington, Shelby	4,029,229	9,937	0	4,039,166
North American Rayon Corp.	Elizabethton, Carter	3,651,505	120,150	30	3,771,685
Holliston Mills Inc.	Church Hill, Hawkins	2,922,628	53	234	2,922,915
Nissan Motor Mfg. Corp. USA	Smyrna, Rutherford	2,519,315	0	0	2,519,315
Du Pont	New Johnsonville, Humphreys	2,215,700	0	0	2,215,700
Viskase Corp.	Loudon, Loudon	2,129,000	0	0	2,129,000
Quebecor Printing Memphis Inc.	Memphis, Shelby	1,741,737	138	0	1,741,875

## For More Information. . .

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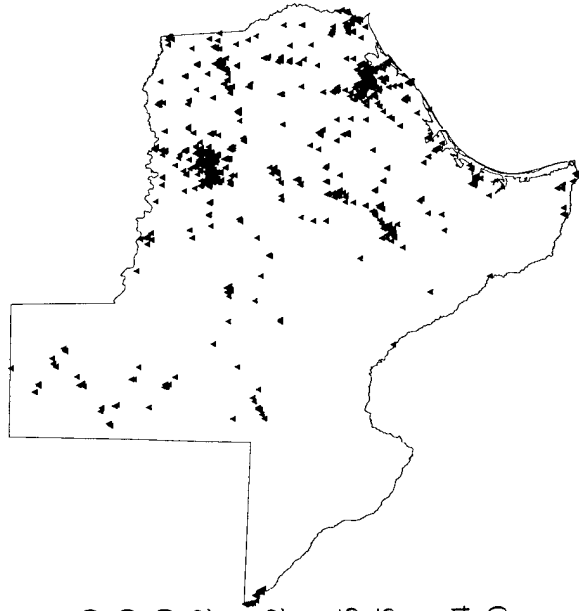




# 1993 TOXICS RELEASE INVENTORY

# TEXAS

## Reported Releases and Waste Management Activities (pounds)



Population	18,031,000	On-site Releases	352,171,723
Total Facilities	1,240	Air Emissions	141,869,302
Total Forms	5,970	Surface Water Discharges	2,268,176
National Rank for Total Releases	2	Underground Injection Releases to Land	190,931,446
National Rank for Air/Water/Land Releases	2	On-site Waste Management	17,102,799
Releases		Recycling	3,508,053,423
Transfers into State		Energy Recovery Treatment	1,455,264,311
Rank	6		592,792,956
Pounds	99,906,525		1,459,996,156
Transfers Out of State		Off-site Transfers for Further Waste Management	420,438,189
Rank	4	Recycling	244,947,157
Pounds	119,676,160	Energy Recovery Treatment	84,893,966
		Publicly Owned Treatment Works (POTWs)	34,765,586
		Disposal	22,456,379
		Other Off-site Transfers	33,339,093
			36,008

## Top Five Chemicals for Total Releases

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	9,582,758	1,615,496	103,681,613	2,140,304	117,020,171
Ethylene	20,757,538	190	0	0	20,757,728
Methanol	9,051,747	81,700	9,444,583	15,333	18,593,363
Nitric acid	84,705	5	16,097,151	3,468	16,185,329
Ammonium nitrate (solution)	5,437	0	15,578,708	0	15,584,145

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Ethylene	20,757,538	190	0	20,757,728
Ammonia	9,582,758	1,615,496	2,140,304	13,338,558
Chromium compounds	36,038	13,070	12,386,942	12,436,050
Propylene	10,922,183	15	0	10,922,198
Toluene	9,168,513	8,429	24,558	9,201,500



# 1993 TOXICS RELEASE INVENTORY

# TEXAS

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Monsanto Co.	Alvin, Brazoria	251,495	0	40,164,600	101,000	40,517,095
Du Pont	Beaumont, Jefferson	1,603,075	28,078	35,186,195	0	36,817,348
Sterling Chemicals Inc.	Texas City, Galveston	1,063,698	20,005	23,625,432	0	24,709,135
Du Pont	Victoria, Victoria	545,379	1,910	21,903,231	21,152	22,471,672
BP Chemicals Inc.	Port Lavaca, Calhoun	118,844	870	20,531,246	19	20,650,979
Amoco Oil Co.	Texas City, Galveston	648,689	227,374	12,166,000	154,671	13,196,734
American Chrome & Chemicals	Corpus Christi, Nueces	90,810	22,550	0	12,000,000	12,113,360
Hoechst-Celanese Chemical	Pasadena, Harris	3,747,833	0	6,606,610	0	10,354,443
Du Pont	Orange, Orange	2,405,205	22,573	7,303,524	0	9,731,302
Dow Chemical Co.	Freeport, Brazoria	6,521,547	277,332	0	17,698	6,816,577

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
American Chrome & Chemicals	Corpus Christi, Nueces	90,810	22,550	12,000,000	12,113,360
Dow Chemical Co.	Freeport, Brazoria	6,521,547	277,332	17,698	6,816,577
Eastman Kodak Co.	Longview, Harrison	4,568,463	10,000	8,700	4,587,163
Shell Oil Co.	Deer Park, Harris	3,821,886	13,142	692,903	4,527,931
Mobil Oil Beaumont Refinery	Beaumont, Jefferson	4,286,393	0	25,686	4,312,079
Hoechst-Celanese Chemical	Pasadena, Harris	3,747,833	0	0	3,747,833
Union Carbide Corp.	Texas City, Galveston	3,542,415	0	0	3,542,415
Quantum Chemical Co.	La Porte, Harris	3,470,084	3,531	43	3,473,658
Exxon Chemical Americas	Baytown, Harris	2,509,087	61,753	1,442	2,572,282
Union Carbide Chemicals	Port Lavaca, Calhoun	2,481,189	35,925	21,825	2,538,939

## For More Information. . .

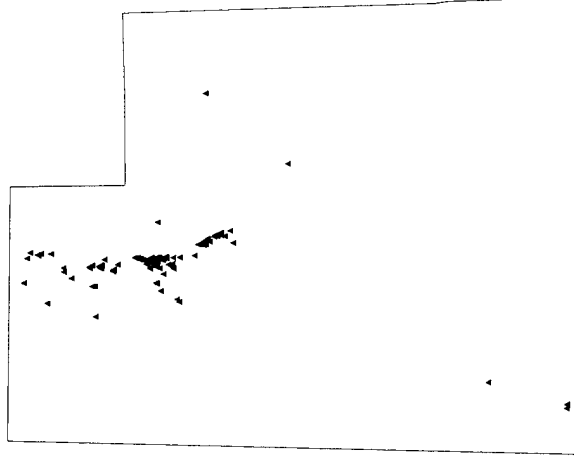
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## 1993 TOXICS RELEASE INVENTORY

# UTAH

Population 1,860,000  
Total Facilities 143  
Total Forms 519  
National Rank for Total Releases 9  
National Rank for Air/Water/Land Releases 6  
Transfers into State Rank 36  
Pounds 2,893,567  
Transfers Out of State Rank 23  
Pounds 31,380,316



### Reported Releases and Waste Management Activities (pounds)

**On-site Releases**  
Air Emissions 91,850,812  
Surface Water Discharges 80,150,953  
Underground Injection 48,077  
Releases to Land 0  
11,651,782

**On-site Waste Management**  
Recycling 141,373,445  
Energy Recovery 9,327,258  
Treatment 8,843  
132,037,344

**Off-site Transfers for Further Waste Management**  
Recycling 44,111,408  
Energy Recovery 35,586,971  
Treatment 325,535  
736,280  
Publicly Owned Treatment Works (POTWs) 529,260  
Disposal 6,925,955  
Other Off-site Transfers 7,407

### Top Five Chemicals for Total Releases

Chemical	Air		Surface Water		Underground Injection		Releases to Land		Total Releases Pounds
	Pounds	Emissions Pounds	Discharges Pounds	Releases Pounds	Pounds	Pounds	Pounds	Pounds	
Chlorine	67,240,707	67,240,707	0	0	0	0	0	0	67,240,707
Hydrochloric acid	6,905,877	6,905,877	0	0	0	0	34,460	34,460	6,940,337
Copper compounds	101,555	101,555	1,300	1,300	0	0	4,800,250	4,800,250	4,903,105
Zinc compounds	15,383	15,383	2,566	2,566	0	0	2,800,500	2,800,500	2,818,449
1,1,1-Trichloroethane	1,883,797	1,883,797	5	5	0	0	0	0	1,883,802

### Top Five Chemicals for Air/Water/Land Releases

Chemical	Air		Surface Water		Releases to Land		Total Releases Pounds
	Pounds	Emissions Pounds	Discharges Pounds	Releases Pounds	Pounds	Pounds	
Chlorine	67,240,707	67,240,707	0	0	0	0	67,240,707
Hydrochloric acid	6,905,877	6,905,877	0	0	34,460	34,460	6,940,337
Copper compounds	101,555	101,555	1,300	1,300	4,800,250	4,800,250	4,903,105
Zinc compounds	15,383	15,383	2,566	2,566	2,800,500	2,800,500	2,818,449
1,1,1-Trichloroethane	1,883,797	1,883,797	5	5	0	0	1,883,802



# 1993 TOXICS RELEASE INVENTORY

# UTAH

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Magnesium Corp. of America	Rowley, Tooele	73,300,250	0	0	0	73,300,250
Kennecott Utah Copper	Magna, Salt Lake	395,305	4,750	0	11,317,260	11,717,315
Hercules Inc.	Magna, Salt Lake	2,075,257	0	0	69,918	2,145,175
Thiokol Corp.	Promontory, Box Elder	1,205,500	0	0	0	1,205,500
Geneva Steel	Vineyard, Utah	280,982	0	0	52,912	333,894
Thiokol Corp.	Clearfield, Davis	320,000	0	0	0	320,000
Hercules Inc.	Magna, Salt Lake	136,220	0	0	0	136,220
Karman Kitchens Inc.	Salt Lake City, Salt Lake	131,691	0	0	0	131,691
Fashion Cabinet Mfg. Inc.	West Jordan, Salt Lake	127,855	0	0	0	127,855
Utility Trailer Manufacturing	Clearfield, Davis	117,417	0	0	0	117,417

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Magnesium Corp. of America	Rowley, Tooele	73,300,250	0	0	73,300,250
Kennecott Utah Copper	Magna, Salt Lake	395,305	4,750	11,317,260	11,717,315
Hercules Inc.	Magna, Salt Lake	2,075,257	0	69,918	2,145,175
Thiokol Corp.	Promontory, Box Elder	1,205,500	0	0	1,205,500
Geneva Steel	Vineyard, Utah	280,982	0	52,912	333,894
Thiokol Corp.	Clearfield, Davis	320,000	0	0	320,000
Hercules Inc.	Magna, Salt Lake	136,220	0	0	136,220
Karman Kitchens Inc.	Salt Lake City, Salt Lake	131,691	0	0	131,691
Fashion Cabinet Mfg. Inc.	West Jordan, Salt Lake	127,855	0	0	127,855
Utility Trailer Manufacturing	Clearfield, Davis	117,417	0	0	117,417

## For More Information...

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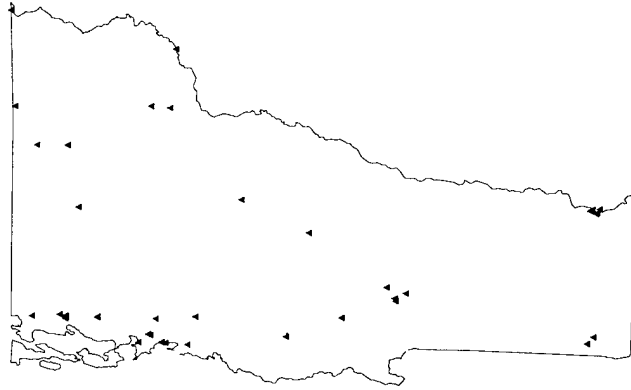
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## 1993 TOXICS RELEASE INVENTORY

# VERMONT



Population	576,000
Total Facilities	44
Total Forms	113
National Rank for Total Releases	51
National Rank for Air/Water/Land Releases	51
Transfers into State	
Rank	49
Pounds	18,141
Transfers Out of State	
Rank	41
Pounds	4,442,249

### Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>	
Air Emissions	758,498
Surface Water Discharges	756,788
Underground Injection Releases to Land	1,450
	0
	260
<b>On-site Waste Management</b>	
Recycling	11,485,329
Energy Recovery	4,369,696
Treatment	4,600
	7,111,033
<b>Off-site Transfers for Further Waste Management</b>	
Recycling	4,521,404
Energy Recovery	3,978,943
Treatment	177,002
Publicly Owned Treatment Works (POTWs)	320,564
Disposal	18,713
Other Off-site Transfers	26,182
	0

### Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	248,584	0	0	0	248,584
Methyl ethyl ketone	114,587	0	0	0	114,587
Acetone	71,160	1,200	0	0	72,360
Methanol	60,332	0	0	0	60,332
Xylene (mixed isomers)	47,763	0	0	0	47,763

### Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	248,584	0	0	248,584
Methyl ethyl ketone	114,587	0	0	114,587
Acetone	71,160	1,200	0	72,360
Methanol	60,332	0	0	60,332
Xylene (mixed isomers)	47,763	0	0	47,763



# 1993 TOXICS RELEASE INVENTORY

# VERMONT

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Ethan Allen Inc.	Beecher Falls, Essex	169,600	0	0	0	169,600
Ethan Allen Inc.	Orleans, Orleans	169,203	0	0	0	169,203
Ethan Allen Inc.	Randolph, Orange	82,800	0	0	0	82,800
EHV Weidmann Industries Inc.	Saint Johnsbury, Caledonia	71,000	0	0	0	71,000
U.S. Samica Corp.	Rutland, Rutland	65,515	0	0	0	65,515
General Electric Co.	North Clarendon, Rutland	45,518	0	0	0	45,518
Specialty Paperboard Inc.	Brattleboro, Windham	30,628	0	0	0	30,628
Rutland Plywood Corp.	Rutland, Rutland	17,150	0	0	0	17,150
C. E. Bradley Laboratories	Brattleboro, Windham	16,611	0	0	0	16,611
Kraft General Foods Inc.	Middlebury, Addison	15,500	0	0	0	15,500

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Ethan Allen Inc.	Beecher Falls, Essex	169,600	0	0	169,600
Ethan Allen Inc.	Orleans, Orleans	169,203	0	0	169,203
Ethan Allen Inc.	Randolph, Orange	82,800	0	0	82,800
EHV Weidmann Industries Inc.	Saint Johnsbury, Caledonia	71,000	0	0	71,000
U.S. Samica Corp.	Rutland, Rutland	65,515	0	0	65,515
General Electric Co.	North Clarendon, Rutland	45,518	0	0	45,518
Specialty Paperboard Inc.	Brattleboro, Windham	30,628	0	0	30,628
Rutland Plywood Corp.	Rutland, Rutland	17,150	0	0	17,150
C. E. Bradley Laboratories	Brattleboro, Windham	16,611	0	0	16,611
Kraft General Foods Inc.	Middlebury, Addison	15,500	0	0	15,500

## For More Information...

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## 1993 TOXICS RELEASE INVENTORY

# VIRGIN ISLANDS



Population	102,000
Total Facilities	3
Total Forms	30
National Rank for Total Releases	49
National Rank for Air/Water/Land Releases	49
Transfers into State	
Rank	51
Pounds	0
Transfers Out of State	
Rank	45
Pounds	690,342



### Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>	
Air Emissions	1,724,070
Surface Water Discharges	1,560,702
Underground Injection Releases to Land	137,330
	0
	26,038
<b>On-site Waste Management</b>	
Recycling	5,004,554
Energy Recovery	3,166,678
Treatment	969,485
	868,391
<b>Off-site Transfers for Further Waste Management</b>	
Recycling	690,342
Energy Recovery	682,955
Treatment	125
	7,261
Publicly Owned Treatment Works (POTWs)	0
Disposal	1
Other Off-site Transfers	0

### Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	543,124	497	0	18,008	561,629
Xylene (mixed isomers)	287,311	993	0	2,562	290,866
Propylene	269,801	0	0	0	269,801
Ammonia	10,507	130,254	0	555	141,316
Ethylene	105,251	0	0	0	105,251

### Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Toluene	543,124	497	18,008	561,629
Xylene (mixed isomers)	287,311	993	2,562	290,866
Propylene	269,801	0	0	269,801
Ammonia	10,507	130,254	555	141,316
Ethylene	105,251	0	0	105,251



1993 TOXICS RELEASE INVENTORY

VIRGIN ISLANDS

Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Hess Oil Virgin Islands Corp.	Kingshill, St Croix	1,560,696	134,330	0	25,788	1,720,814
Virgin Islands Rum Ind. Ltd.	Frederiksted, St Croix	6	3,000	0	0	3,006
Virgin Islands Alumina Corp.	Kingshill, St Croix	0	0	0	250	250
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Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Hess Oil Virgin Islands Corp.	Kingshill, St Croix	1,560,696	134,330	25,788	1,720,814
Virgin Islands Rum Ind. Ltd.	Frederiksted, St Croix	6	3,000	0	3,006
Virgin Islands Alumina Corp.	Kingshill, St Croix	0	0	250	250
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For More Information. . .

State Contact: Ben Nazario  
(809) 773-0565 Fax (809) 773-9310 St. Croix  
(809) 774-3320 Fax (809) 774-5416 St. Thomas  
EPA Regional Contact: Nora Lopez  
(908) 906-6890 Fax (908) 321-6788

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call TRI User Support Service (TRI-US):  
(202) 260-1531 Fax (202) 260-4659



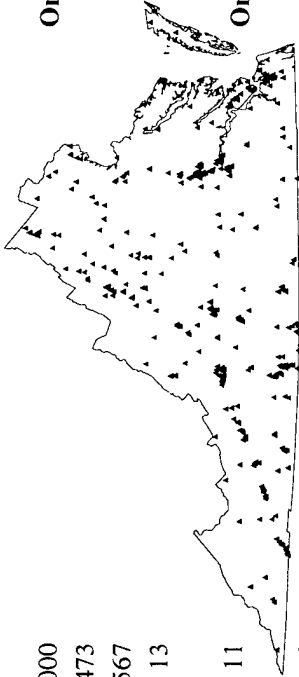


## 1993 TOXICS RELEASE INVENTORY

# VIRGINIA

### Reported Releases and Waste Management Activities (pounds)

Population	6,491,000	
Total Facilities	473	On-site Releases
Total Forms	1,567	Air Emissions
National Rank for Total Releases	13	Surface Water Discharges
National Rank for Air/Water/Land Releases	11	Underground Injection
Transfers into State	18	Releases to Land
Rank	33,435,795	On-site Waste Management
Pounds		Recycling
Transfers Out of State	22	Energy Recovery
Rank	32,760,682	Treatment
Pounds		Off-site Transfers for Further Waste Management
		Recycling
		Energy Recovery
		Treatment
		Publicly Owned Treatment Works (POTWs)
		Disposal
		Other Off-site Transfers



### Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Acetone	12,204,603	9,864	0	18,974	12,233,441
Methanol	11,911,082	86,545	0	15,600	12,013,227
Toluene	7,867,086	5,652	0	250	7,872,988
Methyl ethyl ketone	4,787,231	652	0	271	4,788,154
Hydrochloric acid	3,882,968	0	0	10	3,882,978

### Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Acetone	12,204,603	9,864	18,974	12,233,441
Methanol	11,911,082	86,545	15,600	12,013,227
Toluene	7,867,086	5,652	250	7,872,988
Methyl ethyl ketone	4,787,231	652	271	4,788,154
Hydrochloric acid	3,882,968	0	10	3,882,978



# 1993 TOXICS RELEASE INVENTORY

# VIRGINIA

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Hoechst-Celanese	Narrows, Giles	7,887,916	638	0	15,200	7,903,754
Westvaco Corp.	Covington, Alleghany	4,649,105	87,800	0	15,450	4,752,355
Union Camp Corp.	Franklin, Franklin City	3,082,416	2,838	0	0	3,085,254
Aqualon	Hopewell, Hopewell City	3,006,245	557	0	208	3,007,010
O'Sullivan Corp.	Winchester, Frederick	2,559,756	0	0	0	2,559,756
Allied-Signal Inc.	Hopewell, Hopewell City	739,490	1,352,575	0	0	2,092,065
Philip Morris USA	Richmond, Richmond City	1,513,835	0	0	0	1,513,835
Merck & Co. Inc.	Elkton, Rockingham	1,474,690	32,680	0	0	1,507,370
R. R. Donnelley Printing	Lynchburg, Lynchburg City	1,431,502	0	0	0	1,431,502
Abex	Winchester, Frederick	26,489	0	0	1,315,299	1,341,788

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Hoechst-Celanese	Narrows, Giles	7,887,916	638	15,200	7,903,754
Westvaco Corp.	Covington, Alleghany	4,649,105	87,800	15,450	4,752,355
Union Camp Corp.	Franklin, Franklin City	3,082,416	2,838	0	3,085,254
Aqualon	Hopewell, Hopewell City	3,006,245	557	208	3,007,010
O'Sullivan Corp.	Winchester, Frederick	2,559,756	0	0	2,559,756
Allied-Signal Inc.	Hopewell, Hopewell City	739,490	1,352,575	0	2,092,065
Philip Morris USA	Richmond, Richmond City	1,513,835	0	0	1,513,835
Merck & Co. Inc.	Elkton, Rockingham	1,474,690	32,680	0	1,507,370
R. R. Donnelley Printing	Lynchburg, Lynchburg City	1,431,502	0	0	1,431,502
Abex	Winchester, Frederick	26,489	0	1,315,299	1,341,788

**For More Information. . .**

**State Contact:**  
(804) 762-4482

**EPA Regional Contact:**  
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Roland Owens  
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Mikal Shabazz  
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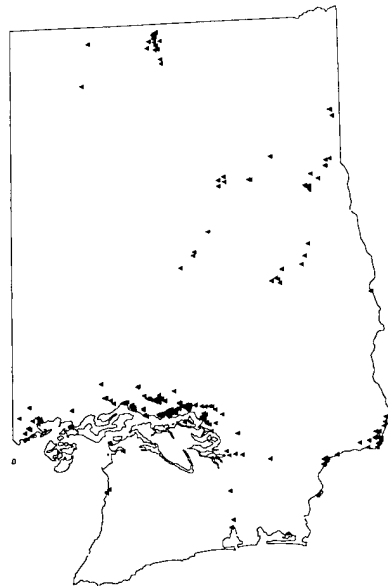
(202) 260-1531 Fax (202) 260-4659



1993 TOXICS RELEASE INVENTORY

# WASHINGTON

Population 5,255,000  
Total Facilities 312  
Total Forms 995  
National Rank for Total Releases 28  
National Rank for Air/Water/Land Releases 27  
Transfers into State Rank 31  
Pounds 8,245,825  
Transfers Out of State Rank 32  
Pounds 17,159,445



## Reported Releases and Waste Management Activities (pounds)

**On-site Releases**  
Air Emissions 24,427,715  
Surface Water Discharges 20,489,919  
Underground Injection 3,746,659  
Releases to Land 0  
191,137

**On-site Waste Management**  
Recycling 405,032,310  
Energy Recovery 89,315,039  
Treatment 121,694,471  
194,022,800

**Off-site Transfers for Further Waste Management**  
Recycling 70,556,952  
Energy Recovery 67,357,496  
Treatment 641,015  
1,019,982  
Publicly Owned Treatment Works (POTWs) 561,887  
Disposal 975,822  
Other Off-site Transfers 750

## Top Five Chemicals for Total Releases

Chemical	Air Emissions		Surface Water Discharges		Under-ground Injection		Releases to Land		Total Releases	
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Ammonia	1,221,423		2,945,294		0		156,110		4,322,827	
Methanol	3,528,228		425,505		0		4,258		3,957,991	
Hydrochloric acid	2,533,307		511		0		0		2,533,818	
Acetone	1,397,346		58,801		0		896		1,457,043	
Methyl ethyl ketone	1,422,084		1,085		0		5		1,423,174	

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air	Surface	Releases to Land	Total
	Emissions Pounds	Water Discharges Pounds		
Ammonia	1,221,423	2,945,294	156,110	4,322,827
Methanol	3,528,228	425,505	4,258	3,957,991
Hydrochloric acid	2,533,307	511	0	2,533,818
Acetone	1,397,346	58,801	896	1,457,043
Methyl ethyl ketone	1,422,084	1,085	5	1,423,174



# 1993 TOXICS RELEASE INVENTORY

# WASHINGTON

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
ITT Rayonier Inc.	Port Angeles, Clallam	1,456,310	2,204,700	0	0	3,661,010
Weyerhaeuser Co.	Longview, Cowlitz	1,094,460	178,665	0	0	1,273,125
Boise Cascade Corp.	Walla Walla, Walla	1,210,871	8,498	0	715	1,220,084
Boeing Commercial Airplane	Everett, Snohomish	1,153,655	3,010	0	0	1,156,665
Longview Fibre Co.	Longview, Cowlitz	1,067,370	58,450	0	0	1,125,820
Unocal Agricultural Products	Kennewick, Benton	862,616	3,487	0	137	866,240
Weyerhaeuser Paper Co.	Cosmopolis, Grays Harbor	793,155	11,250	0	0	804,405
Simpson Tacoma Kraft Co.	Tacoma, Pierce	619,733	100,991	0	0	720,724
Arco Cherry Point Refinery	Ferndale, Whatcom	492,615	129,010	0	2,750	624,375
Hytec Inc.	Yelm, Thurston	588,945	0	0	0	588,945

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
ITT Rayonier Inc.	Port Angeles, Clallam	1,456,310	2,204,700	0	3,661,010
Weyerhaeuser Co.	Longview, Cowlitz	1,094,460	178,665	0	1,273,125
Boise Cascade Corp.	Walla Walla, Walla	1,210,871	8,498	715	1,220,084
Boeing Commercial Airplane	Everett, Snohomish	1,153,655	3,010	0	1,156,665
Longview Fibre Co.	Longview, Cowlitz	1,067,370	58,450	0	1,125,820
Unocal Agricultural Products	Kennewick, Benton	862,616	3,487	137	866,240
Weyerhaeuser Paper Co.	Cosmopolis, Grays Harbor	793,155	11,250	0	804,405
Simpson Tacoma Kraft Co.	Tacoma, Pierce	619,733	100,991	0	720,724
Arco Cherry Point Refinery	Ferndale, Whatcom	492,615	129,010	2,750	624,375
Hytec Inc.	Yelm, Thurston	588,945	0	0	588,945

## For More Information. . .

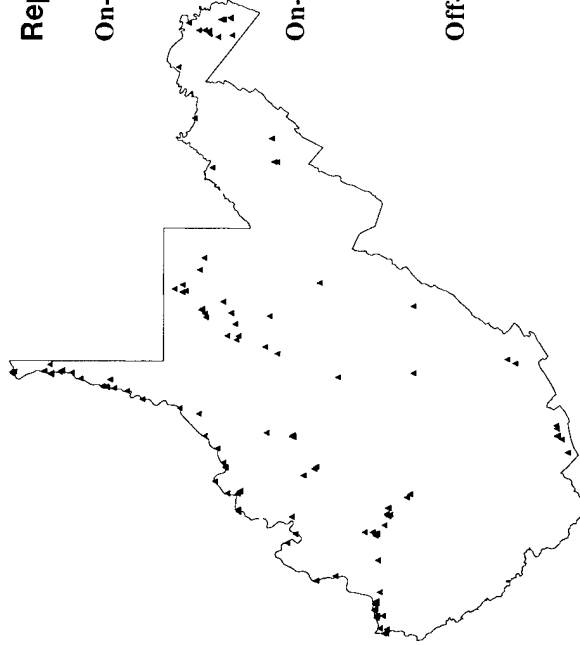
**State Contact:**  
 Idell Hansen  
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**EPA Regional Contact:**  
 Phil Wong  
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 (206) 553-4016

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 call TRI User Support Service (TRI-US):  
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1993 TOXICS RELEASE INVENTORY

# WEST VIRGINIA



## Reported Releases and Waste Management Activities (pounds)

Population	1,820,000	On-site Releases	25,087,559
Total Facilities	154	Air Emissions	23,099,901
Total Forms	733	Surface Water Discharges	1,657,994
National Rank for Total Releases	26	Underground Injection	64
National Rank for Air/Water/Land Releases	25	Releases to Land	329,600
Transfers into State		On-site Waste Management	
Rank	15	Recycling	536,707,108
Pounds	35,622,341	Energy Recovery	339,013,912
Transfers Out of State		Treatment	8,873,228
Rank	24	Off-site Transfers for Further Waste Management	188,819,968
Pounds	27,968,135	Recycling	57,669,893
		Energy Recovery	31,489,347
		Treatment	15,208,982
		Publicly Owned Treatment Works (POTWs)	6,440,144
		Disposal	1,870,901
		Other Off-site Transfers	2,660,269
			250

## Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Acetone	3,026,938	890	0	21,836	3,049,664
Toluene	2,447,056	948	0	1,475	2,449,479
Methanol	2,344,839	82,173	0	149	2,427,161
Ammonia	759,631	1,281,234	53	1,939	2,042,857
Ethylene glycol	1,425,856	30,349	0	692	1,456,897

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Acetone	3,026,938	890	21,836	3,049,664
Toluene	2,447,056	948	1,475	2,449,479
Methanol	2,344,839	82,173	149	2,427,161
Ammonia	759,631	1,281,234	1,939	2,042,804
Ethylene glycol	1,425,856	30,349	692	1,456,897



# 1993 TOXICS RELEASE INVENTORY

# WEST VIRGINIA

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Union Carbide C & P Co.	Institute, Kanawha	3,078,145	4,106	0	681	3,082,932
Shell Chemical Co.	Apple Grove, Mason	1,827,214	503	0	755	1,828,472
Wheeling-Pittsburgh Steel Corp	Follansbee, Brooke	1,492,401	310,018	0	0	1,802,419
Miles Inc.	New Martinsville, Marshall	1,502,277	55,029	0	1,278	1,558,584
Du Pont	Washington, Wood	1,457,245	86,990	0	0	1,544,235
American Woodmark Corp.	Moorefield, Hardy	1,241,663	0	0	0	1,241,663
Rhone-Poulenc Ag Co.	Institute, Kanawha	1,084,380	2,716	0	700	1,087,796
Cytec Industries	Willow Island, Pleasants	780,152	252,728	0	0	1,032,880
U.S. Can Co.	Weirton, Brooke	946,923	0	0	0	946,923
Union Carbide Corp.	South Charleston, Kanawha	850,692	53	0	0	850,745

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Union Carbide C & P Co.	Institute, Kanawha	3,078,145	4,106	681	3,082,932
Shell Chemical Co.	Apple Grove, Mason	1,827,214	503	755	1,828,472
Wheeling-Pittsburgh Steel Corp	Follansbee, Brooke	1,492,401	310,018	0	1,802,419
Miles Inc.	New Martinsville, Marshall	1,502,277	55,029	1,278	1,558,584
Du Pont	Washington, Wood	1,457,245	86,990	0	1,544,235
American Woodmark Corp.	Moorefield, Hardy	1,241,663	0	0	1,241,663
Rhone-Poulenc Ag Co.	Institute, Kanawha	1,084,380	2,716	700	1,087,796
Cytec Industries	Willow Island, Pleasants	780,152	252,728	0	1,032,880
U.S. Can Co.	Weirton, Brooke	946,923	0	0	946,923
Union Carbide Corp.	South Charleston, Kanawha	850,692	53	0	850,745

**State Contact:**  
(304) 558-5380  
**EPA Regional Contact:**  
(215) 597-3659

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## For More Information. . .

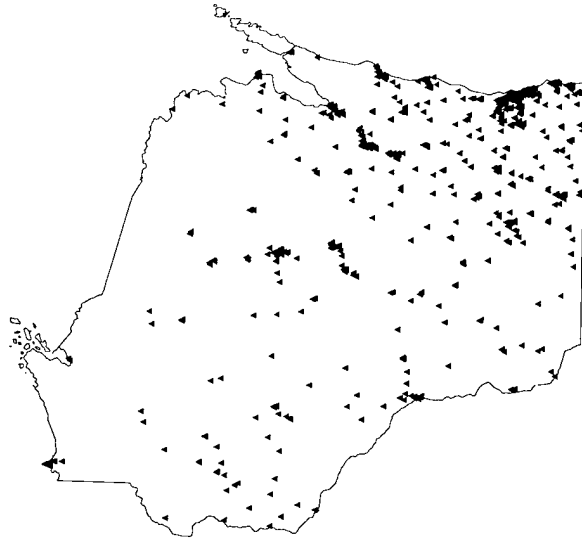


## 1993 TOXICS RELEASE INVENTORY

# WISCONSIN

### Reported Releases and Waste Management Activities (pounds)

Population	5,038,000	On-site Releases	35,910,893
Total Facilities	883	Air Emissions	33,220,087
Total Forms	2,781	Surface Water Discharges	649,215
National Rank for Total Releases	24	Underground Injection	0
National Rank for Air/Water/Land Releases	22	Releases to Land	2,041,591
Transfers into State		On-site Waste Management	
Rank	22	Recycling	237,852,960
Pounds	21,793,845	Energy Recovery	93,062,628
Transfers Out of State		Treatment	9,247,266
Rank	15		135,543,066
Pounds	51,608,588	Off-site Transfers for Further Waste Management	102,257,953
		Recycling	53,116,195
		Energy Recovery	22,605,827
		Treatment	9,928,293
		Publicly Owned Treatment Works (POTWs)	6,669,786
		Disposal	9,838,100
		Other Off-site Transfers	99,752



### Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Methanol	3,987,441	65,070	0	16,950	4,069,461
Toluene	3,785,547	7	0	1,395	3,786,949
Xylene (mixed isomers)	3,456,211	5	0	2,343	3,458,559
Methyl ethyl ketone	3,018,064	250	0	250	3,018,564
Glycol ethers	2,488,184	2,870	0	260	2,491,314

### Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Methanol	3,987,441	65,070	16,950	4,069,461
Toluene	3,785,547	7	1,395	3,786,949
Xylene (mixed isomers)	3,456,211	5	2,343	3,458,559
Methyl ethyl ketone	3,018,064	250	250	3,018,564
Glycol ethers	2,488,184	2,870	260	2,491,314



# 1993 TOXICS RELEASE INVENTORY

# WISCONSIN

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
CPI	Wisconsin Rapids, Wood	2,881,105	750	0	0	2,881,855
PPG Industries Inc.	Oak Creek, Milwaukee	1,168,338	9	0	0	1,168,347
Fort Howard Corp.	Green Bay, Brown	1,101,305	17,660	0	0	1,118,965
General Motors Corp.	Janesville, Rock	1,042,820	19	0	0	1,042,839
Packaging Corp. of America	Tomahawk, Lincoln	79,769	75,998	0	642,021	797,788
Rhineland Paper Co.	Rhineland, Dane	707,962	50	0	0	708,012
Uniroyal Engineered Products	Stoughton, Dane	694,432	0	0	0	694,432
Georgia-Pacific Corp.	Phillips, Price	682,133	0	0	0	682,133
American Packaging Corp.	Columbus, Columbia	633,600	0	0	0	633,600
Metal Container Corp.	Fort Atkinson, Jefferson	624,250	0	0	0	624,250

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
CPI	Wisconsin Rapids, Wood	2,881,105	750	0	2,881,855
PPG Industries Inc.	Oak Creek, Milwaukee	1,168,338	9	0	1,168,347
Fort Howard Corp.	Green Bay, Brown	1,101,305	17,660	0	1,118,965
General Motors Corp.	Janesville, Rock	1,042,820	19	0	1,042,839
Packaging Corp. of America	Tomahawk, Lincoln	79,769	75,998	642,021	797,788
Rhineland Paper Co.	Rhineland, Dane	707,962	50	0	708,012
Uniroyal Engineered Products	Stoughton, Dane	694,432	0	0	694,432
Georgia-Pacific Corp.	Phillips, Price	682,133	0	0	682,133
American Packaging Corp.	Columbus, Columbia	633,600	0	0	633,600
Metal Container Corp.	Fort Atkinson, Jefferson	624,250	0	0	624,250

## For More Information...

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**EPA Regional Contact:**  
 Thelma Codina  
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 (312) 886-6219

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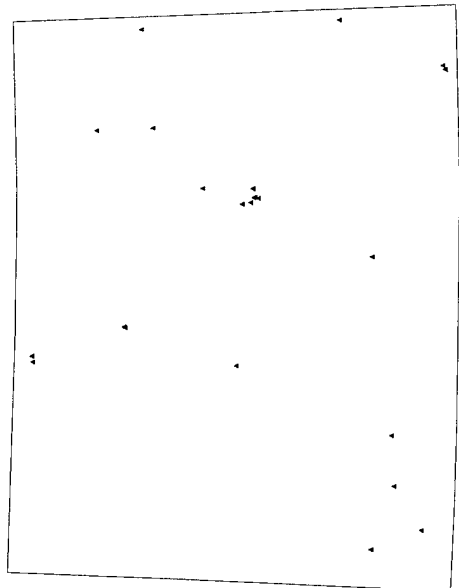


# 1993 TOXICS RELEASE INVENTORY

# WYOMING

## Reported Releases and Waste Management Activities (pounds)

<b>On-site Releases</b>		
Air Emissions		16,594,261
Surface Water Discharges		1,897,651
Underground Injection Releases to Land		69,677
		14,512,026
		114,907
<b>On-site Waste Management</b>		
Recycling		80,448,672
Energy Recovery		77,933,321
Treatment		222,760
		2,292,591
<b>Off-site Transfers for Further Waste Management</b>		
Recycling		123,905
Energy Recovery		65,584
Treatment		4,029
Publicly Owned Treatment Works (POTWs)		18,013
Disposal		283
Other Off-site Transfers		35,996
		0



Population	470,000
Total Facilities	29
Total Forms	142
National Rank for Total Releases	33
National Rank for Air/Water/Land Releases	47
Transfers into State	
Rank	21
Pounds	27,600,000
Transfers Out of State	
Rank	50
Pounds	122,690

## Top Five Chemicals for Total Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonium nitrate (solution)	543,015	0	10,851,400	255	11,394,670
Ammonia	685,402	69,579	3,624,000	9,589	4,388,570
Phosphoric acid	67,164	0	250	47,338	114,752
Glycol ethers	107,279	0	0	0	107,279
n-Butyl alcohol	96,575	0	0	0	96,575

## Top Five Chemicals for Air/Water/Land Releases

Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Total Releases Pounds
Ammonia	685,402	69,579	9,589	764,570
Ammonium nitrate (solution)	543,015	0	255	543,270
Phosphoric acid	67,164	0	47,338	114,502
Glycol ethers	107,279	0	0	107,279
n-Butyl alcohol	96,575	0	0	96,575



# 1993 TOXICS RELEASE INVENTORY

# WYOMING

## Top Ten Facilities for Total Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total Releases Pounds
Coastal Chem Inc.	Cheyenne, Laramie	822,397	0	14,512,026	0	15,334,423
Frontier Refining Inc.	Cheyenne, Laramie	259,065	10,199	0	0	269,264
Crown Cork & Seal Co. Inc.	Worland, Washakie	203,854	0	0	0	203,854
Little America Refining Co.	Casper, Natrona	113,188	0	0	24,905	138,093
SF Phosphates Ltd. Co.	Rock Springs, Sweetwater	50,582	0	0	78,867	129,449
Holly Sugar Corp.	Torrington, Goshen	116,500	0	0	2,000	118,500
Holly Sugar Corp.	Worland, Washakie	88,500	10,000	0	2,000	100,500
FMC Wyoming Corp.	Green River, Sweetwater	67,852	0	0	0	67,852
Wyoming Refining Co.	Newcastle, Weston	66,610	30	0	280	66,920
Western Sugar Co.	Lovell, Big Horn	3,460	49,448	0	5,589	58,497

## Top Ten Facilities for Air/Water/Land Releases

Facility	City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Releases to Land Pounds	Air/Water/Land Releases Pounds
Coastal Chem Inc.	Cheyenne, Laramie	822,397	0	0	822,397
Frontier Refining Inc.	Cheyenne, Laramie	259,065	10,199	0	269,264
Crown Cork & Seal Co. Inc.	Worland, Washakie	203,854	0	0	203,854
Little America Refining Co.	Casper, Natrona	113,188	0	24,905	138,093
SF Phosphates Ltd. Co.	Rock Springs, Sweetwater	50,582	0	78,867	129,449
Holly Sugar Corp.	Torrington, Goshen	116,500	0	2,000	118,500
Holly Sugar Corp.	Worland, Washakie	88,500	10,000	2,000	100,500
FMC Wyoming Corp.	Green River, Sweetwater	67,852	0	0	67,852
Wyoming Refining Co.	Newcastle, Weston	66,610	30	280	66,920
Western Sugar Co.	Lovell, Big Horn	3,460	49,448	5,589	58,497

## For More Information...

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**To obtain TRI data use assistance, call TRI User Support Service (TRI-US):**  
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